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ANNUAL PEAK DISCHARGES FROM SMALL DRAINAGE AREAS IN MONTANA

THROUGH SEPTEMBER 1978



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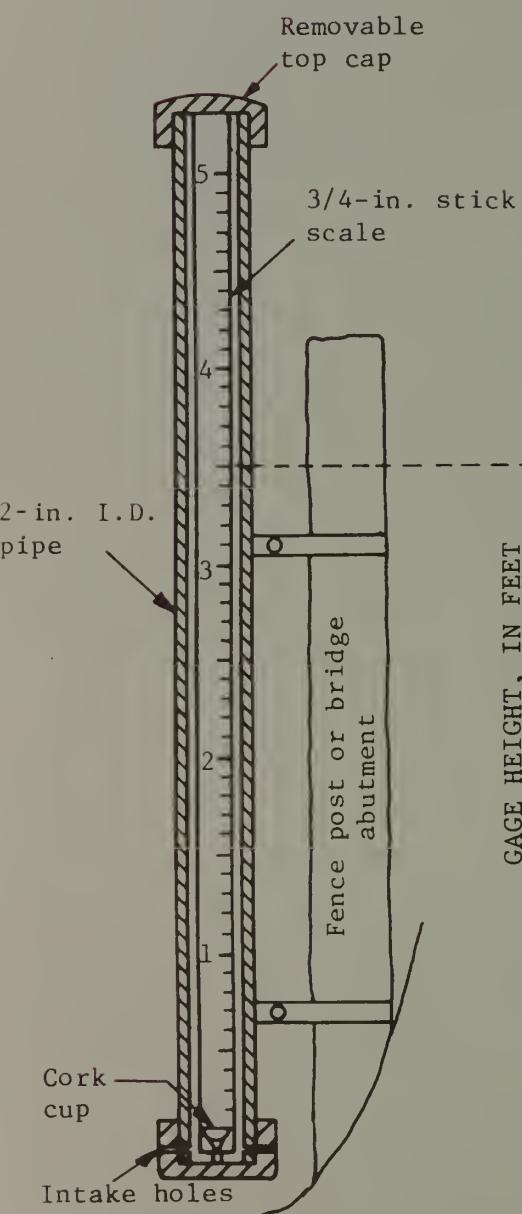
Open-File Report 79-522

Prepared for the
STATE OF MONTANA, DEPARTMENT OF HIGHWAYS
PLANNING AND RESEARCH BUREAU
in cooperation with the
U.S. Department of Transportation
Federal Highway Administration, and the
U.S. Department of Agriculture, Forest Service

HELENA, MONTANA
MARCH 1979

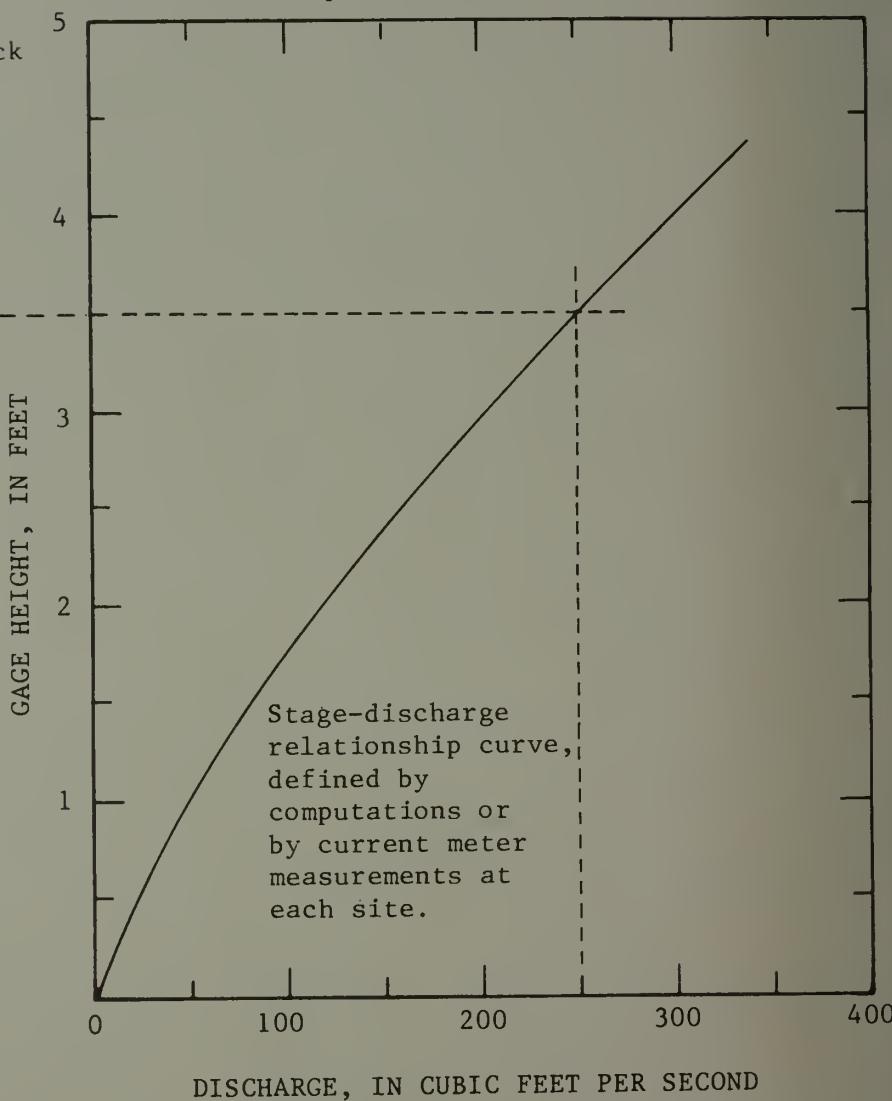
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CREST-STAGE GAGE DIAGRAM AND EXAMPLE



Water enters the intake holes and deposits a cork line on the stick scale at maximum stage.

EXAMPLE: cork deposited at gage height 3.50 feet; thus Q equals 250 cubic feet per second



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ANNUAL PEAK DISCHARGES FROM SMALL DRAINAGE
AREAS IN MONTANA THROUGH SEPTEMBER 1978

by

R. J. Omang, Charles Parrett, and J. A. Hull

Open-File Report 79-522

The opinions, findings, and conclusions expressed in this publication are those of the U.S. Geological Survey and not necessarily those of the State of Montana—Department of Highways, the Federal Highway Administration, or the U.S. Department of Agriculture.

Helena, Montana
March 1979



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METRIC CONVERSION TABLE

The following factors may be used to convert the inch-pound units published herein to the International System (SI) of metric units.

<u>Multiply inch-pound units</u>	<u>By</u>	<u>To obtain SI units</u>
<u>Length</u>		
foot (ft)	0.3048	meter (m)
inch (in.)	25.40	millimeter (mm)
mile (mi)	1.609	kilometer (km)
<u>Area</u>		
square mile (mi^2)	2.590	square kilometer (km^2)
<u>Flow</u>		
cubic foot per second (ft^3/s)	.02832	cubic meter per second (m^3/s)

ANNUAL PEAK DISCHARGES FROM SMALL DRAINAGE
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INTRODUCTION

A program to investigate the magnitude and frequency of floods from small drainage areas in Montana was begun July 1, 1955. Originally 45 crest-stage gage stations were established. The program was expanded to 152 stations in 1959, and to 216 stations in 1963. An average of 214 stations were operated from 1963 to 1967, 199 from 1968 through mid 1970, and 193 from mid 1970 through 1973.

In 1973 the program was evaluated. The evaluation indicated that 62 existing stations should be continued for long-term record, all other stations should be discontinued upon collection of 15 years of record, and about 100 new stations should be established to increase the density of the network of stations. During water years 1974-75, 111 new stations were established, making a total of 328 sites at which usable data have been collected since 1955. During the 1978 water year (October 1977 through September 1978) 173 gages were operated--142 east of the Continental Divide and 31 west of the divide. The location of each current station is shown on figure 1.

The program of peak stage and discharge measurement is maintained by the U.S. Geological Survey in cooperation with the Montana Department of Highways, Planning and Research Bureau, and the U.S. Forest Service. The U.S. Department of Transportation, Federal Highway Administration, cooperates by reimbursing the Department of Highways for about 80 percent of the Department's costs of this program.

This, the twenty-fourth annual report, is primarily a tabulation, by water year, of the annual peak stage and discharge at each active crest-stage gage station. It also summarizes the activities and progress made during the 1978 water year.

Data on outstanding floods and streamflow, collected under other programs at sites where crest-stage gages are not operated, are furnished during the year to cooperating agencies upon request.

PURPOSE OF THE PROGRAM

The purpose of the program is to collect sufficient peak-flow data to permit development of methods for estimating the magnitude and frequency of floods at any point in Montana. The ultimate objective is to determine methods for estimating the 1-percent chance flood (one having a 100-year recurrence interval) with the reliability needed for road design. Reliability depends in part on the definition of regional boundaries, which need to be defined from a relatively dense network of crest-stage stations.

A part of the program has been fulfilled by a report¹ based on data collected from 1955 through 1966. That report presents a method for deter-

¹ Boner, F. C., and Omang, R. J., 1967, Magnitude and frequency of floods from drainage areas less than 100 square miles in Montana: U.S. Geological Survey open-file report, 23 p.

mining the magnitude of floods having 10-year and 25-year recurrence intervals for drainage areas of less than 100 mi².

A second report² released in January 1976 gives methods for estimating magnitude and frequency of floods up to 100-year recurrence interval. This report does not meet the ultimate objective because the standard errors of estimate are high and the reliability low. The increased density of the network of stations should help define areal boundaries better and, thus, improve reliability.

PROGRAM OPERATION

At each gaging station one or more standard Geological Survey crest-stage gages record the maximum stage reached by the water surface (see sketch inside front cover). Many stations are located at highway culverts, which are used as control structures for rating the peak discharge. If the peak discharge is not measured, it can be computed from the shape of the channel near the culvert, the culvert geometry, and the water-surface profile upstream and downstream from the culvert at the time of the peak flow. The water-surface profile, obtained from marks recorded on the crest-stage gages, is usually supplemented by nearby high-water marks along the stream channel.

Flow records for continuous-record gaging stations, which are a part of other cooperative programs, supplement the crest-stage network. The continuous-record stations help establish the date of recorded peak stages and help detect peaks at times when the crest-stage gages may not have been functioning properly. Climatological data published by the National Weather Service

² Johnson, M. V., and Omang, R. J., 1976, A method for estimating magnitude and frequency of floods in Montana: U.S. Geological Survey Open-File Report 75-650, 35 p.

are also used to help determine the dates of peak discharge.

The crest-stage gage stations provide information from drainage areas that range in size from less than 1 mi² to several hundred square miles. The areas represent various hydrologic conditions. During the 1978 water year the network included 26 stations having drainage areas less than 1 mi², 97 stations having areas from 1 to 10 mi², 41 stations having areas from 10 to 50 mi², and 9 stations having areas of more than 50 mi².

PROGRAM ACTIVITIES, 1978 WATER YEAR

Operation of the crest-stage gages to record peak stages continued to be the primary phase of work. Periodic visits were made to service the gages and record the peak stages that occurred between visits. Changes in channel, culvert, and control conditions were also noted.

Sixty-two sites were operated as long-term stations, and 111 sites were operated as short-term stations. Short-term stations will be discontinued only when 15 years of record have been accumulated or when sites are found to be unsuitable. No stations were discontinued in 1978.

In general peak flows during the 1978 water year were high. Peak flow of record was equaled or exceeded at 21 sites. Transit-stadia surveys for computation of peak flow were made at four sites. At 12 other sites flow-through-culvert computations were made to define the stage-discharge relation. Step-backwater surveys were run at four sites to determine the stage-discharge relation. West of the divide the stage-discharge relation at most sites was well defined by current-meter measurements. Other fieldwork included closed traverse surveys to determine any altitude changes in the datum of the gage.

PROGRAM PLANS, 1979 WATER YEAR

During the 1979 water year 53 long-term stations will be operated east of the Continental Divide and 9 west of the divide. In addition, 89 short-term stations will be operated east of the divide and 22 short-term stations west of the divide. A report summarizing peak-flow data through September 30, 1979, will be published by April 1, 1980.

An analysis of peak flow data collected prior to and including the 1978 water year will begin during the 1979 water year. Basin and climatic characteristics will be re-evaluated on the basis of new maps and longer climatic records. The channel-geometry method, whereby flow characteristics are related to channel dimensions, will also be evaluated in certain areas.

PRESENTATION OF DATA

All active stations are listed in downstream order. Those in the Missouri River basin (Part 6) are listed first, followed by those in the Columbia River basin (Part 12). The part number is the identification numeral of the river basin as used in U.S. Geological Survey water-supply papers. Each station description includes the permanent station number, hydrologic unit code (see fig. 2), drainage area, period of record, type of gage, and altitude of gage. Following the description, the annual maximum gage height (or stage) and discharge are listed for each water year of record. The date given for each annual peak is as near the actual day on which the peak flow occurred as can be determined from available data.

The annual peak discharges are preliminary figures and are subject to revision. A peak discharge listing of "unknown" means a reliable figure is not available. Peak discharges listed as "not determined" will be determined when the stage-discharge relation is defined. This may require 2 or more years of data collection.

Explanation of the footnotes used in the station data tabulations are listed below.

^a About.

^b Backwater.

^c No evidence of flow during year.

^d Prior to installation of gage.

^e Peak discharge did not reach bottom of gage.

STATION DATA

MISSOURI RIVER BASIN

06013500 Big Sheep Creek below Muddy Creek, near Dell, MT

Location.--Lat $44^{\circ}39'19''$, long $112^{\circ}46'41''$, Hydrologic Unit 10020001, in SE1/4 sec.35, T.13 S., R.10 W., Beaverhead County, 6.5 mi (10.5 km) southwest of Dell.

Drainage area.-- 278 mi^2 (720 km^2).

Records available.--May 1946 to September 1953 (continuous record), June 1959 to current year.

Gage.--Water-stage recorder re-installed June 24, 1959. Altitude of gage is 6,390 ft (1,950 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1946	May 28, 1946	5.54	379
1947	Mar. 18, 1947	5.54	379
1948	Aug. 1, 1948	5.49	369
1949	Apr. 12, 1949	6.02	477
1950	Apr. 1, 1950	5.68	406
1951	Aug. 4, 1951	4.82	234
1952	Apr. 18, 1952	7.72	909
1953	June 2, 1953	5.23	313
1960	Mar. 26, 1960	4.44	168
1961	Apr. 4, 1961	3.98	84
1962	Apr. 2, 1962	4.83	236
1963	June 15, 1963	5.38	343
1964	June 10, 1964	6.06	491
1965	Apr. 21, 1965	5.48	365
1966	Apr. 2, 1966	4.59	195
1967	June 11, 1967	5.48	365
1968	June 9, 1968	5.93	462
1969	Apr. 3, 1969	6.94	701
1970	May 5, 1970	5.42	384
1971	May 31, 1971	5.17	311
1972	June 24, 1972	5.49	377
1973	Apr. 28, 1973	6.60	620
1974	Apr. 25, 1974	4.56	180
1975	May 15, 1975	6.56	615
1976	Apr. 8, 1976	6.41	578
1977	June 10, 1977	5.08	277
1978	Mar. 29, 1978	4.54	184

06015430 Clark Canyon near Dillon, MT

Location.--Lat $45^{\circ}00'56''$, long $112^{\circ}50'10''$, Hydrologic Unit 10020002, in SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.28, T.9 S., R.10 W., Beaverhead County, at culvert on county road, 0.3 mi (0.5 km) south of Interstate Highway 15 and junction with access road, 1.6 mi (2.6 km) north of Interstate Highway 15 and junction to Clark Canyon Dam, 17.0 mi (27.4 km) southwest of Dillon.

Drainage area.--18.0 mi² (46.6 km²).

Records available.--1969, October 1974 to current year.

Gage.--Crest-stage gage installed Oct. 8, 1974. Altitude of gage is 5,450 ft (1,661 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft ³ /s)
1969	--	3.60	88
1974	--	2.09	30
1975	June 19, 1975	5.69	211
1976	May 12, 1976	4.65	147
1977	Apr. 9, 1977	2.78	52
1978	May 20, 1978	2.55	43

06019400 Sweetwater Creek near Alder, MT

Location.--Lat $45^{\circ}04'39''$, long $112^{\circ}13'32''$, Hydrologic Unit 10020003, in NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.4, T.9 S., R.5 W., Madison County, at bridge on county road, 0.6 mi (1.0 km) upstream from a small reservoir, 3.5 mi (5.6 km) upstream from Belmont Park Ranch, 6.0 mi (9.7 km) southwest of Ruby River bridge, 12.5 mi (20.1 km) southwest of Ruby Reservoir Dam, 18 mi (29 km) south of Alder.

Drainage area.--81.5 mi² (211 km²).

Records available.--October 1974 to current year.

Gage.--Crest-stage gage installed Oct. 9, 1974. Altitude of gage is 5,995 ft (1,827 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft ³ /s)
1974	--	2.05	80
1975	May 14, 1975	3.61	280
1976	Apr. 4, 1976	3.65	330
1977	Apr. 7, 1977	4.33	278 (corrected)
1978	Apr. 1, 1978	1.89	57

06019800 Idaho Creek near Alder, MT

Location.--Lat $45^{\circ}11'51''$, long $112^{\circ}08'20''$, Hydrologic Unit 10020003, in center of sec.30, T.7 S., R.4 W., Madison County, at bridge on county road, 9 mi (14.5 km) south of Alder.

Drainage area.-- 11.0 mi^2 (28.5 km^2).

Records available.--May 1959 to current year.

Gage.--Crest-stage gage installed May 7, 1959. Altitude of gage is 5,420 ft (1,650 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1960	Mar. 27, 1960	b 2.18	a 40
1961	Apr. 4, 1961	.87	13
1962	Apr. 25, 1962	2.30	90
1963	Mar. 22, 1963	1.36	24
1964	July 29, 1964	1.20	17
1965	Mar. 30, 1965	b 3.01	a 60
1966	June 10, 1966	.80	8
1967	June 15, 1967	1.34	9
1968	June 10, 1968	1.59	12
1969	Mar. 27, 1969	b 2.05	a 35
1970	June 10, 1970	1.27	15
1971	June 3, 1971	.11	12
1972	June 24, 1972	.57	15
1973	June 7, 1973	1.08	11
1974	May 27, 1974	.33	35
1975	July 22, 1975	2.37	60
1976	June 22, 1976	.22	15
1977	June 10, 1977	-.14	13
1978	Apr. 1, 1978	.62	27

06025100 Quartz Hill Gulch near Wise River, MT

Location.--Lat $45^{\circ}46'35''$, long $112^{\circ}51'41''$, Hydrologic Unit 10020004, in NE1/4 SE1/4 sec.5, T.1 S., R.10 W., Beaverhead County, on left bank 210 ft (64 m) upstream from State Highway 43, 4.2 mi (6.8 km) east of Wise River, 0.3 mi (0.5 km) west of Dewey.

Drainage area.-- 14.3 mi^2 (37.0 km^2).

Records available.--October 1974 to current year.

Gage.--Crest-stage gage installed Oct. 7, 1974. Altitude of gage is 5,600 ft (1,707 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1974	--	1.57	14
1975	Aug. 6, 1975	1.64	16
1976	Apr. 1, 1976	1.56	13
1977	--	--	(c)
1978	Apr. 1, 1978	1.38	8

06027700 Fish Creek near Silver Star, MT

Location.--Lat $45^{\circ}46'18''$, long $112^{\circ}14'56''$, Hydrologic Unit 10020005, in NW1/4 sec.8, T.1 S., R.5 W., Silver Bow County, at bridge on county road, 6 mi (9.7 km) north of Silver Star.

Drainage area.-- 38.9 mi^2 (101 km 2).

Records available.--May 1959 to current year.

Gage.--Crest-stage gage installed May 7, 1959. Altitude of gage is 4,790 ft (1,460 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft 3 /s)
1959	June 6, 1959	1.15	166
1960	May 13, 1960	.91	105
1961	Apr. 4, 1961	1.13	160
1962	June 3, 1962	.95	115
1963	June 11, 1963	1.16	141
1964	June 19, 1964	^b 1.49	150
1965	June 16, 1965	1.74	220
1966	May 2, 1966	.67	54
1967	June 11, 1967	1.78	228
1968	June 15, 1968	1.22	132
1969	May 27, 1969	1.50	175
1970	May 30, 1970	1.00	100
1971	June 27, 1971	.91	85
1972	June 11, 1972	1.07	106
1973	June 17, 1973	.85	73
1974	May 31, 1974	1.10	110
1975	June 19, 1975	1.91	240
1976	Mar. 17, 1976	^b 2.62	^a 185
1977	June 10, 1977	1.17	105
1978	Mar. 31, 1978	1.97	250

06030300 Jefferson River tributary No. 2 near Whitehall, MT

Location.--Lat $45^{\circ}52'48''$, long $111^{\circ}58'28''$, Hydrologic Unit 10020005, in SE1/4 sec.33, T.2 N., R.3 W., Jefferson County, at culvert on State Highway 281, 6 mi (9.7 km) east of Whitehall.

Drainage area.-- 4.50 mi^2 (11.7 km 2).

Records available.--October 1957 to current year.

Gage.--Crest-stage gage installed May 7, 1959. Altitude of gage is 4,400 ft (1,340 m), from topographic map.

06030300 Jefferson River tributary No. 2 near Whitehall, MT--Continued

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1958	^d June 24, 1958	4.45	169
1959	^d Apr. 6, 1959	2.37	71
1960	--	--	(c)
1961	Sept. 11, 1961	1.32	34
1962	--	--	(c)
1963	Feb. 2, 1963	1.38	39
1964	June 8, 1964	.41	10
1965	Aug. 22, 1965	.30	8
1966	--	--	(c)
1967	July 18, 1967	.37	9
1968	Feb. 19, 1968	.37	9
1969	Mar. 18, 1969	.32	8
1970	July 11, 1970	.00	8
1971	Jan. 17, 1971	.10	5
1972	--	--	(c)
1973	--	--	(c)
1974	Aug. 20, 1974	.76	65
1975	July 31, 1975	2.03	132
1976	June 17, 1976	.74	65
1977	Sept. 16, 1977	-1.54	2
1978	Mar. 7, 1978	-1.01	10

06031950 Cataract Creek near Basin, MT

Location.--Lat 46°17'10", long 112°14'33", Hydrologic Unit 10020006, in NW1/4 SW1/4 sec.9, T.6 N., R.5 W., Jefferson County, on bridge on county road 200 ft (61.0 km) upstream from Big Limber Gulch, 2.1 mi (3.4 km) northeast of Basin.

Drainage area.--30.6 mi² (79.3 km²).

Records available.--May 1973 to current year.

Gage.--Crest-stage gage installed Mar. 29, 1974. Altitude of gage is 5,450 ft (1,661 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1973	^d May 18, 1973	2.17	233
1974	May 20, 1974	2.42	300
1975	June 19, 1975	--	623
1976	May 17, 1976	2.80	320
1977	June 12, 1977	1.61	105
1978	May 22, 1978	2.83	370

06038550 Cabin Creek near West Yellowstone, MT

Location.--Lat $44^{\circ}52'19''$, long $111^{\circ}20'29''$, Hydrologic Unit 10020007, in NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.15, T.11 S., R.3 E., Gallatin County, at Forest Service Cabin Creek campground on U.S. Highway 287, 12.8 mi (20.6 km) west of Highway 191, 19 mi (31 km) northwest of West Yellowstone.

Drainage area.--30.3 mi 2 (78.5 km 2).

Records available.--October 1974 to current year.

Gage.--Crest-stage gage installed Oct. 10, 1974. Datum of gage is 6,476.23 ft (1,973.96 m) above mean sea level.

Annual maximum data--

Water year	Date	Gage height (ft)	Discharge (ft 3 /s)
1974	--	4.00	Not determined
1975	June 19, 1975	2.26	375
1976	May 15, 1976	2.32	395
1977	June 13, 1977	2.00	200
1978	June 10, 1978	2.54	460

06043300 Logger Creek near Gallatin Gateway, MT

Location.--Lat $45^{\circ}27'17''$, long $111^{\circ}14'38''$, Hydrologic Unit 10020008, in SW $\frac{1}{4}$ sec.28, T.4 S., R.4 E., Gallatin County, at culvert on U.S. Highway 191, 10 mi (16.1 km) south of Gallatin Gateway.

Drainage area.--2.48 mi 2 (6.42 km 2).

Records available.--May 1959 to current year.

Gage.--Crest-stage gage installed May 5, 1959. Altitude of gage is 5,340 ft (1,630 m), from topographic map.

Annual maximum data--

Water year	Date	Gage height (ft)	Discharge (ft 3 /s)
1959	June 7, 1959	1.03	20
1960	May 12, 1960	.69	9
1961	May 26, 1961	.34	6
1962	June 13, 1962	.73	18
1963	May 27, 1963	.38	11
1964	June 8, 1964	1.09	25
1965	June 15, 1965	.66	18
1966	May 6, 1966	.08	5
1967	June 22, 1967	.50	16
1968	June 11, 1968	.93	24
1969	June 26, 1969	.66	17
1970	May 21, 1970	1.12	29
1971	June 27, 1971	.90	17
1972	June 2, 1972	.49	11
1973	May 20, 1973	.86	20
1974	June 16, 1974	1.24	30
1975	June 16, 1975	1.05	22
1976	May 25, 1976	.87	23
1977	June 13, 1977	.25	7
1978	June 10, 1978	.61	13

06046500 Rocky Creek near Bozeman, MT

Location.--Lat $45^{\circ}39'17''$, long $110^{\circ}56'33''$, Hydrologic Unit 10020008, in NE1/4 sec.23, T.2 S., R.6 E., Gallatin County, 5 mi (8.0 km) east of Bozeman.

Drainage area.-- 50.5 mi^2 (131 km^2).

Records available.--November 1951 to September 1953 (continuous record), 1956-57 (miscellaneous measurements only), May 1959 to current year.

Gage.--Crest-stage gage installed Sept. 26, 1962. Altitude of gage is 4,980 ft (1,520 m), from topographic map. Records equivalent to those at recorder site 1.2 mi (1.9 km) upstream (at different datum) used prior to October 1966.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1952	Apr. 19, 1952	4.08	421
1953	June 3, 1953	4.65	608
1954	Apr. 1, 1959	3.9	337
1960	May 8, 1960	3.64	248
1961	May 2, 1961	3.03	90
1962	Apr. 16, 1962	3.42	285
1963	Apr. 27, 1963	4.11	400
1964	May 17, 1964	3.65	212
1965	May 15, 1965	3.83	345
1966	Mar. 31, 1966	b 3.34	a 250
1967	May 8, 1967	1.00	300
1968	May 22, 1968	1.54	415
1969	June 26, 1969	2.06	525
1970	May 21, 1970	2.54	810
1971	Apr. 24, 1971	3.11	1,230
1972	May 22, 1972	.74	240
1973	May 14, 1973	1.61	520
1974	May 30, 1974	.83	280
1975	May 17, 1975	1.77	680
1976	May 12, 1976	1.56	600
1977	Apr. 26, 1977	1.65	280
1978	Apr. 1, 1978	2.47	480

06053050 Lost Creek near Ringling, MT

Location.--Lat $46^{\circ}45'38''$, long $110^{\circ}47'08''$, Hydrologic Unit 10030101, in SE1/4 SE1/4 sec.24, T.6 N., R.7 E., Meagher County, on bridge on U.S. Highway 89, 1 mi (1.6 km) southeast of Ringling.

Drainage area.-- 9.59 mi^2 (24.8 km^2).

Records available.--January 1974 to current year.

Gage.--Crest-stage gage installed May 30, 1974. Altitude of gage is 5,340 ft (1,628 m), from topographic map.

06053050 Lost Creek near Ringling, MT--Continued

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1974	^d Jan. 16, 1974	3.46	297
1975	May 10, 1975	3.18	120
1976	Apr. 12, 1976	^b 3.78	^a 50
1977	Apr. 6, 1977	^b 2.10	^a 13
1978	Mar. 26, 1978	2.89	130

06056300 Cabin Creek near Townsend, MT

Location.--Lat 46°20'00", long 111°13'05", Hydrologic Unit 10030101, in NW1/4 sec.27, T.7 N., R.4 E., Broadwater County, 100 ft (30 m) upstream from mouth, 14.5 mi (23.3 km) east of Townsend.

Drainage area.--11.8 mi² (30.6 km²).

Records available.--May 1959 to current year.

Gage.--Crest-stage gage installed May 22, 1959. Altitude of gage is 4,900 ft (1,490 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1960	June 4, 1960	2.00	70
1961	June 22, 1961	.14	2
1962	May 22, 1962	.37	8
1963	June 21, 1963	.53	13
1964	May 19, 1964	1.37	38
1965	June 2, 1965	1.08	17
1966	May 5, 1966	1.05	14
1967	May 23, 1967	1.28	23
1968	May 26, 1968	1.06	22
1969	May 26, 1969	.93	10
1970	May 19, 1970	1.42	40
1971	May 4, 1971	1.31	19
1972	May 26, 1972	1.00	15
1973	May 25, 1973	.40	1
1974	May 30, 1974	.94	15
1975	May 17, 1975	1.66	50
1976	Aug. 23, 1976	.93	15
1977	June 2, 1977	.24	2
1978	May 10, 1978	1.39	52

06058700 Mitchell Gulch near East Helena, MT

Location.--Lat $46^{\circ}34'20''$, long $111^{\circ}49'21''$, Hydrologic Unit 10030101, in NW1/4 sec.2, T.9 N., R.2 W., Lewis and Clark County, at culvert on U.S. Highway 12, 4.7 mi (7.6 km) east of East Helena.

Drainage area.-- 8.09 mi^2 (21.0 km^2).

Records available.--May 1959 to current year.

Gage.--Crest-stage gage installed May 14, 1959. Altitude of gage is 4,060 ft (1,240 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1959	March 1959	0.96	53
1960	Mar. 19, 1960	.32	6
1961	June 29, 1961	.27	2
1962	Mar. 20, 1962	.43	12
1963	Feb. 4, 1963	1.41	107
1964	--	--	(c)
1965	Apr. 1, 1965	.62	28
1966	Mar. 10, 1966	.93	50
1967	Mar. 22, 1967	.94	52
1968	--	--	(c)
1969	Mar. 31, 1969	1.06	90
1970	July 12, 1970	-1.28	2
1971	Feb. 10, 1971	-1.07	4
1972	--	--	(c)
1973	Sept. 7, 1973	.51	139
1974	Jan. 15, 1974	-.24	53
1975	Apr. 20, 1975	.24	90
1976	Mar. 17, 1976	-1.19	a 2
1977	--	--	(c)
1978	Mar. 20, 1978	.46	82

06071600 Wegner Creek at Craig, MT

Location.--Lat $47^{\circ}04'35''$, long $111^{\circ}57'17''$, Hydrologic Unit 10030102, in NW1/4 sec.11, T.15 N., R.3 W., Lewis and Clark County, at bridge on U.S. Highway 91, 0.9 mi (1.4 km) east of Craig.

Drainage area.-- 35.7 mi^2 (92.5 km^2).

Records available.--May 1959 to current year.

Gage.--Crest-stage gage installed May 15, 1959. Altitude of gage is 3,450 ft (1,050 m), from topographic map.

06071600 Wegner Creek at Craig, MT--Continued

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1960	June 2, 1960	0.59	46
1961	July 6, 1961	2.54	408
1962	Apr. 19, 1962	.33	24
1963	Feb. 3, 1963	.67	48
1964	May 6, 1964	1.84	280
1965	Mar. 31, 1965	1.11	125
1966	July 1, 1966	4.64	1,020
1967	June 12, 1967	1.06	160
1968	June 10, 1968	.36	84
1969	July 7, 1969	.70	110
1970	June 13, 1970	1.05	220
1971	Feb. 13, 1971	-.54	30
1972	Mar. 13, 1972	-.13	38
1973	Apr. 27, 1973	-.09	78
1974	May 20, 1974	.16	104
1975	May 7, 1975	3.15	640
1976	May 4, 1976	1.07	230
1977	Apr. 8, 1977	2.03	16
1978	May 18, 1978	.75	120

06073600 Black Rock Creek near Augusta, MT

Location.--Lat 47°17'28", long 112°09'46", Hydrologic Unit 10030102, in NE1/4 NW1/4 sec.30, T.18 N., R.4 W., Lewis and Clark County, at culvert 0.1 mi (0.2 km) north of Bowmans Corner on U.S. Highway 287, 17.5 mi (28.2 km) southeast of Augusta,

Drainage area.--5.54 mi² (14.3 km²).

Records available.--August 1974 to current year.

Gage.--Crest-stage gage installed Aug. 29, 1974. Altitude of gage is 4,165 ft (1,270 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1974	--	6.36	327
1975	May 7, 1975	7.46	428
1976	May 4, 1976	4.17	120
1977	June 14, 1977	6.03	290
1978	Mar. 17, 1978	6.90	380

06076700 Sheep Creek near Neihart, MT

Location.--Lat $46^{\circ}47'59''$, long $110^{\circ}42'10''$, Hydrologic Unit 10030103, in SE1/4 sec.15, T.12 N., R.8 E., Meagher County, at culvert on U.S. Highway 89, 10 mi (16.1 km) south of Neihart.

Drainage area.-- 5.23 mi^2 (13.5 km^2).

Records available.--May 1959 to current year.

Gage.--Crest-stage gage installed May 22, 1959. Altitude of gage is 6,600 ft (2,010 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1960	May 12, 1960	1.12	38
1961	May 27, 1961	1.11	37
1962	May 21, 1962	1.37	49
1963	June 2, 1963	1.08	39
1964	June 8, 1964	2.12	113
1965	June 16, 1965	2.40	138
1966	May 10, 1966	1.27	50
1967	May 31, 1967	2.07	110
1968	May 25, 1968	1.68	78
1969	May 17, 1969	.88	28
1970	June 12, 1970	2.30	132
1971	June 3, 1971	1.32	51
1972	June 6, 1972	1.66	80
1973	June 14, 1973	.59	17
1974	June 20, 1974	1.65	82
1975	June 11, 1975	1.74	98
1976	May 14, 1976	1.22	58
1977	May 27, 1977	1.01	34
1978	May 17, 1978	1.55	70

06077300 Trout Creek near Eden, MT

Location.--Lat $47^{\circ}07'10''$, long $111^{\circ}22'19''$, Hydrologic Unit 10030103, in NE1/4 SE1/4 sec.29, T.15 N., R.3 E., Cascade County, at bridge on county road, at old town site of Millegan, 16.2 mi (26 km) south of Secondary Highway 330, 18.0 mi (29 km) south of Eden.

Drainage area.-- 13.2 mi^2 (34.2 km^2).

Records available.--August 1974 to current year.

Gage.--Crest-stage gage installed Aug. 27, 1974. Altitude of gage is 4,515 ft (1,376 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1974	--	2.05	45
1975	June 30, 1975	4.70	430
1976	May 3, 1976	2.08	40
1977	Apr. 8, 1977	^b 2.77	^a 8
1978	May 8, 1978	^b 3.44	^a 54

06077800 Goodman Coulee near Eden, MT

Location.--Lat $47^{\circ}19'29''$, long $111^{\circ}25'35''$, Hydrologic Unit 10030103, in center of sec.12, T.18 N., R.2 E., Cascade County, at culvert on county road, 8 mi (12.9 km) northwest of Eden.

Drainage area.--22.1 mi² (57.2 km²).

Records available.--May 1959 to current year.

Gage.--Crest-stage gage installed May 25, 1959. Altitude of gage is 3,370 ft (1,030 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft ³ /s)
1959	^d Apr. 22, 1959	1.57	49
1960	May 1, 1960	1.92	41
1961	--	--	(^c)
1962	Mar. 19, 1962	4.17	127
1963	Feb. 4, 1963	2.30	55
1964	May 3, 1964	5.73	150
1965	July 30, 1965	3.80	117
1966	Mar. 8, 1966	6.73	437
1967	June 15, 1967	4.33	^a 100
1968	May 25, 1968	2.51	22
1969	June 25, 1969	6.72	435
1970	May 11, 1970	4.91	140
1971	Sept. 1, 1971	4.33	100
1972	May 26, 1972	3.57	57
1973	Apr. 28, 1973	2.77	28
1974	May 22, 1974	4.45	105
1975	May 7, 1975	7.43	1,340
1976	Apr. 30, 1976	^b 5.23	^a 100
1977	Apr. 7, 1977	3.17	14
1978	Mar. 19, 1978	^b 6.58	^a 150

06090550 Little Otter Creek near Raynesford, MT

Location.--Lat $47^{\circ}15'05''$, long $110^{\circ}43'50''$, Hydrologic Unit 10030105, in SW1/4 NW1/4 sec.8, T.17 N., R.8 E., Judith Basin County, at culvert on Secondary Highway 427, 1.1 mi (1.8 km) south of Highway 200, 1 mi (1.6 km) south of Raynesford.

Drainage area.-- 41.7 mi^2 (108 km 2).

Records available.--July 1974 to current year.

Gage.--Crest-stage gage installed July 23, 1974. Altitude of gage is 4,180 ft (1,274 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft 3 /s)
1974	--	4.39	56
1975	May 8, 1975	8.90	245
1976	June 22, 1976	3.04	20
1977	Apr. 27, 1977	(e)	7
1978	Mar. 20, 1978	5.05	96

06090810 Ninemile Coulee near Fort Benton, MT

Location.--Lat $47^{\circ}42'01''$, long $110^{\circ}42'12''$, Hydrologic Unit 10030102, in SE1/4 SE1/4 sec.34, T.23 N., R.8 E., Chouteau County, at culverts on county road, 8.4 mi (13.5 km) south of Missouri River bridge at Fort Benton, 8.5 mi (13.7 km) south of Fort Benton.

Drainage area.-- 19.1 mi^2 (49.5 km 2).

Records available.--1972, 1973, August 1974 to current year.

Gage.--Crest-stage gage installed Aug. 27, 1974. Altitude of gage is 3,230 ft (985 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft 3 /s)
1972	^d Mar. 6, 1972	3.34	60
1973	^d Apr. 27, 1973	2.62	34
1974	--	--	Not determined
1975	May 7, 1975	9.24	1,570
1976	Apr. 30, 1976	2.90	43
1977	Sept. 30, 1977	1.74	4
1978	Mar. 21, 1978	5.04	126

06097100 Blacktail Creek near Heart Butte, MT

Location.--Lat $48^{\circ}14'56''$, long $112^{\circ}47'19''$, Hydrologic Unit 10030201, in NW1/4 NW1/4 sec.28, T.29 N., R.9 W., Pondera County, at bridge on county road, 3.3 mi (5.3 km) southeast of Heart Butte, 16.7 mi (26.9 km) northwest of Dupuyer.

Drainage area.-- 16.4 mi^2 (42.5 km^2).

Records available.--July 1974 to current year.

Gage.--Crest-stage gage installed July 29, 1974. Altitude of gage is 4,470 ft (1,362 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1975	June 19, 1975	5.93	1,390
1976	May 14, 1976	1.77	100
1977	--	--	(c)
1978	July 7, 1978	5.20	1,000

06098700 Powell Coulee near Browning, MT

Location.--Lat $48^{\circ}45'01''$, long $112^{\circ}45'21''$, Hydrologic Unit 10030202, in SE1/4 NE1/4 sec.34, T.35 N., R.9 W., Glacier County, at culvert on Secondary Highway 444, 10.5 mi (16.9 km) north of U.S. Highway 2, 18 mi (29 km) northeast of Browning.

Drainage area.-- 12.7 mi^2 (32.9 km^2).

Records available.--July 1974 to current year.

Gage.--Crest-stage gage installed July 30, 1974. Altitude of gage is 4,145 ft (1,263 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1974	--	1.22	6
1975	June 19, 1975	4.96	136
1976	Mar. 18, 1976	^b 2.55	^a 30
1977	June 16, 1977	2.25	28
1978	Mar. 18, 1978	^b 11.06	340

06100300 Lone Man Coulee near Valier, MT

Location.--Lat $48^{\circ}14'10''$, long $112^{\circ}13'49''$, Hydrologic Unit 10030203, in SE1/4 sec.27, T.29 N., R.5 W., Pondera County, at culvert on county road, 5 mi (8.0 km) south of Valier.

Drainage area.-- 14.1 mi^2 (36.5 km^2).

Records available.--May 1959 to current year.

Gage.--Crest-stage gage installed May 27, 1959. Altitude of gage is 3,780 ft (1,150 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1960	May 1, 1960	0.58	32
1961	May 17, 1961	.36	22
1961	Jan. 29, 1962	b 2.87	a 15
1963	Aug. 19, 1963	.49	27
1964	June 8, 1964	2.38	1,740
1965	Feb. 17, 1965	1.38	400
1966	Mar. 9, 1966	--	140
1967	June 10, 1967	.91	135
1968	Jan. 23, 1968	--	39
1969	Mar. 20, 1969	4.98	250
1970	July 13, 1970	3.04	46
1971	Feb. 14, 1971	b 5.44	a 200
1972	Mar. 13, 1972	7.62	830
1973	Apr. 25, 1973	.35	10
1974	Mar. 28, 1974	(e)	5
1975	June 30, 1975	6.02	5,440
1976	Aug. 5, 1976	7.65	115
1977	Apr. 5, 1977	(e)	1
1978	Mar. 19, 1978	7.96	500

06101520 Favot Coulee tributary near Ledger, MT

Location.--Lat $48^{\circ}15'47''$, long $111^{\circ}42'09''$, Hydrologic Unit 10030203, in SE1/4 SW1/4 sec.14, T.29 N., R.1 W., Pondera County, at culvert on Highway 366, 0.3 (mi) (0.5 km) east of Higgins School, 5.5 mi (8.9 km) east of Ledger.

Drainage area.-- 0.86 mi^2 (2.23 km^2).

Records available.--January 1974 to current year.

Gage.--Crest-stage gage installed Aug. 28, 1974. Altitude of gage is 3,530 ft (1,076 m), from topographic map.

06101520 Favot Coulee tributary near Ledger, MT--Continued

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1974	^d Jan. 17, 1974	2.75	39
1975	Apr. 21, 1975	4.72	74
1976	Aug. 5, 1976	1.11	7
1977	--	--	(c)
1978	Mar. 29, 1978	3.50	54

06101700 Fey Coulee tributary near Chester, MT

Location.--Lat 48°27'31", long 111°04'47", Hydrologic Unit 10030203, near center of east line of sec.9, T.31 N., R.5 E., Liberty County, at culvert on county road, 3.5 mi (5.6 km) south of Tiber Siding on Great Northern Railway and U.S. Highway 2, 6.5 mi (10.5 km) southwest of Chester.

Drainage area.--2.47 mi² (6.40 km²).

Records available.--April 1963 to current year.

Gage. Crest-stage gage installed Apr. 17, 1963. Altitude of gage is 3,100 ft (945 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1963	June 28, 1963	4.08	79
1964	June 8, 1964	.98	^a 10
1965	Apr. 10, 1965	3.34	67
1966	July 3, 1966	1.61	21
1967	Mar. 22, 1967	5.01	96
1968	--	--	(c)
1969	June 26, 1969	2.40	40
1970	July 13, 1970	2.32	38
1971	Feb. 25, 1971	1.80	25
1972	Mar. 18, 1972	2.11	32
1973	Feb. 24, 1973	.51	3
1974	Aug. 11, 1974	6.20	675
1975	Apr. 20, 1975	3.05	58
1976	Mar. 17, 1976	.69	6
1977	July 13, 1977	.33	1
1978	Mar. 31, 1978	5.26	97

06105800 Bruce Coulee tributary near Choteau, MT

Location.--Lat $47^{\circ}44'07''$, long $112^{\circ}15'05''$, Hydrologic Unit 10030205, near center of sec.21, T.23 N., R.5 W., Teton County, at bridge on county road, 1.2 mi (1.9 km) west of State Highway 287, 6 mi (9.7 km) southwest of Choteau.

Drainage area.-- 1.70 mi^2 (4.40 km^2).

Records available.--April 1963 to current year.

Gage.--Crest-stage gage installed Apr. 16, 1963. Altitude of gage is 3,940 ft (1,200 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1963	June 28, 1963	0.65	a18
1964	June 8, 1964	1.76	148
1965	June 16, 1965	1.90	140
1966	July 2, 1966	3.50	247
1967	June 10, 1967	2.44	155
1968	Sept. 21, 1968	.54	15
1969	Mar. 26, 1969	.92	40
1970	July 13, 1970	1.84	105
1971	Feb. 13, 1971	.83	30
1972	June 9, 1972	5.06	390
1973	Apr. 25, 1973	.49	12
1974	Aug. 13, 1974	1.08	50
1975	June 19, 1975	2.00	120
1976	May 4, 1976	.93	37
1977	Apr. 5, 1977	1.15	52
1978	July 2, 1978	2.37	142

06109530 Little Sandy Creek tributary near Virgelle, MT

Location.--Lat $48^{\circ}05'15''$, long $109^{\circ}56'34''$, Hydrologic Unit 10040101, in NW1/4 NW1/4 sec.21, T.27 N., R.14 E., Chouteau County, at culvert on county road 11 mi (18 km) east of Highway 236, 10 mi (16 km) southeast of Big Sandy.

Drainage area.-- 0.80 mi^2 (2.07 km^2).

Records available.--1972, May 1974 to current year.

Gage.--Crest-stage gage installed July 15, 1974. Altitude of gage is 3,340 ft (1,018 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1972	--	4.10	47
1974	d May 13, 1974	1.35	7
1975	May 6, 1975	1.01	5
1976	Mar. 18, 1975	1.53	9
1977	--	--	(c)
1978	Mar. 29, 1978	1.65	4

06109560 Alkali Coulee tributary near Virgelle, MT

Location.--Lat $48^{\circ}03'19''$, long $110^{\circ}05'21''$, Hydrologic Unit 10040101, in SW1/4 NW1/4 sec.32, T.27 N., R.13 E., Chouteau County, on bridge on county road, 2.1 mi (3.4 km) south of Highway 236, and 9.1 mi (14.6 km) southeast of Big Sandy.

Drainage area.--0.96 mi² (2.49 km²).

Records available.--May 1974 to current year.

Gage.--Crest-stage gage installed July 15, 1974. Altitude of gage is 2,785 ft (849 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft ³ /s)
1974	^d May 13, 1974	1.24	11
1975	May 7, 1975	1.76	30
1976	Mar. 18, 1976	2.03	112
1977	Sept. 30, 1977	1.17	2
1978	Mar. 28, 1978	2.07	11

06111700 Mill Creek near Lewistown, MT

Location.--Lat $46^{\circ}59'44''$, long $109^{\circ}26'49''$, Hydrologic Unit 10040103, in NE1/4 sec.9, T.14 N., R.18 E., Fergus County, at culverts on county road, 5 mi (8.0 km) south of Lewistown.

Drainage area.--3.53 mi² (9.14 km²).

Records available.--May 1959 to current year.

Gage.--Crest-stage gage installed May 21, 1959. Altitude of gage is 4,200 ft (1,280 m), from topographic map.

06111700 Mill Creek near Lewistown, MT--Continued

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1960	Mar. 18, 1960	0.94	10
1961	--	--	(c)
1962	May 21, 1962	3.24	40
1963	May 12, 1963	.54	5
1964	May 3, 1964	3.67	44
1965	June 17, 1965	5.00	66
1966	Mar. 12, 1966	b1.71	a 1
1967	June 14, 1967	2.44	29
1968	June 9, 1968	1.13	12
1969	Apr. 1, 1969	1.36	15
1970	May 18, 1970	1.90	22
1971	Mar. 30, 1971	2.31	28
1972	Mar. 18, 1972	.48	5
1973	June 3, 1973	.45	5
1974	May 13, 1974	.91	10
1975	May 6, 1975	7.25	87
1976	May 5, 1976	.73	9
1977	Apr. 8, 1977	.08	3
1978	July 4, 1978	4.49	57

06112800 Bull Creek tributary near Hilger, MT

Location.--Lat 47°15'10", long 109°21'51", Hydrologic Unit 10040103, in NW1/4 NE1/4 sec.12, T.17 N., R.18 E., Fergus County, at culvert on county road, 0.4 mi (0.6 km) west of Hilger.

Drainage area.--0.99 mi² (2.56 km²).

Records available.--July 1974 to current year.

Gage.--Crest-stage gage installed July 25, 1974. Altitude of gage is 4,050 ft (1,234 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1974	--	2.46	17
1975	May 21, 1975	4.29	64
1976	Feb. 2, 1976	2.21	14
1977	May 15, 1977	3.02	23
1978	July 4, 1978	4.66	78

06114550 Wolf Creek tributary near Coffee Creek, MT

Location.--Lat $47^{\circ}17'56''$, long $110^{\circ}07'57''$, Hydrologic Unit 10040103, in NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.25, T.18 N., R.12 E., Judith Basin County, at culverts on county road, 1.8 mi (2.9 km) east of Highway 230, 4 mi (6.4 km) southwest of Coffee Creek.

Drainage area.-- 1.73 mi^2 (4.48 km^2).

Records available.--July 1974 to current year.

Gage.--Crest-stage gage installed July 24, 1974. Altitude of gage is 3,875 ft (1,181 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1974	Aug. 20, 1974	4.90	201
1975	Apr. 16, 1975	5.42	660
1976	Aug. 22, 1976	2.12	6
1977	Apr. 8, 1977	^b 2.75	^a 10
1978	July 4, 1978	5.55	780

06114900 Taffy Creek tributary near Winifred, MT

Location.--Lat $47^{\circ}39'06''$, long $109^{\circ}15'33''$, Hydrologic Unit 10040101, in SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.26, T.22 N., R.19 E., Fergus County, at culvert on county road, 8.5 mi (13.7 km) northeast of Winifred.

Drainage area.-- 2.47 mi^2 (6.40 km^2).

Records available.--July 1974 to current year.

Gage.--Crest-stage gage installed July 25, 1974. Altitude of gage is 3,170 ft (966 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1974	^d July 7, 1974	5.80	153
1975	June 19, 1975	5.89	161
1976	June 22, 1976	3.20	56
1977	June 21, 1977	1.73	18
1978	May 18, 1978	5.94	134

06115300 Duval Creek near Landusky, MT

Location.--Lat $47^{\circ}45'17''$, long $108^{\circ}42'23''$, Hydrologic Unit 10040104, in center of sec.13, T.23 N., R.23 E., Phillips County, at culvert on U.S. Highway 191, 10.0 road mi (16.1 km) north of the Fred Robinson Bridge over the Missouri River, 11 mi (17.7 km) southwest of Landusky.

Drainage area.-- 3.31 mi^2 (8.57 km^2).

Records available.--May 1963 to current year.

Gage.--Crest-stage gage installed May 14, 1963. Altitude of gage is 2,900 ft (884 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1963	^d May 11, 1963	2.13	46
1964	Aug. 20, 1964	4.23	145
1965	May 7, 1965	6.30	280
1966	Apr. 26, 1966	2.14	47
1967	Mar. 23, 1967	3.80	73
1968	Feb. 28, 1968	2.09	19
1969	Apr. 26, 1969	3.06	46
1970	Apr. 28, 1970	2.84	40
1971	Mar. 16, 1971	2.79	17
1972	June 9, 1972	7.45	340
1973	June 15, 1973	1.79	12
1974	Aug. 8, 1974	6.27	235
1975	May 6, 1975	4.67	168
1976	June 22, 1976	10.46	470
1977	Apr. 5, 1977	.95	1
1978	July 4, 1978	3.89	80

06117800 Dirty Creek near Martinsdale, MT

Location.--Lat $46^{\circ}33'00''$, long $110^{\circ}18'52''$, Hydrologic Unit 10040201, in SW $1/4$ SW $1/4$ sec.11, T.9 N., R.11 E., Meagher County, at culvert on county road, 4.3 mi (6.9 km) north of U.S. Highway 12, 4.9 mi (7.9 km) north of junction of U.S. Highway 12 and turnoff to Martinsdale, 6.5 mi (10.5 km) north of Martinsdale.

Drainage area.-- 2.82 mi^2 (7.30 km^2).

Records available.--1972, January 1974 to current year.

Gage.--Crest-stage gage installed Aug. 5, 1974. Altitude of gage is 5,050 ft (1,539 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1972	--	5.77	252
1974	^d Jan. 16, 1974	--	2
1975	Apr. 12, 1975	5.51	120
1976	Apr. 30, 1976	2.75	7
1977	--	--	(c)
1978	Mar. 29, 1978	5.69	195

06120800 Antelope Creek tributary No. 2 near Harlowton, MT

Location.--Lat $46^{\circ}27'47''$, long $109^{\circ}49'29''$, Hydrologic Unit 10040201, in SE1/4 sec.10, T.8 N., R.15 E., Wheatland County, at E. S. Bacon ranch, 1.5 mi (2.4 km) north of Harlowton.

Drainage area.-- 21.2 mi^2 (54.9 km^2).

Records available.--July 1955 to current year.

Gage.--Crest-stage gage installed July 13, 1955. Altitude of gage is 4,250 ft (1,300 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1956	June 15, 1956	3.51	820
1957	June 21, 1957	1.95	190
1958	June 1958	.36	35
1959	Mar. 20, 1959	.57	80
1960	--	(e)	^a 25
1961	--	(e)	^a 25
1962	June 16, 1962	5.56	3,230
1963	Feb. 4, 1963	.61	^a 20
1964	June 8, 1964	1.41	^a 130
1965	June 12, 1965	3.79	922
1966	--	(e)	^a 50
1967	June 13, 1967	1.32	125
1968	June 7, 1968	1.04	95
1969	Mar. 31, 1969	.77	65
1970	May 7, 1970	(e)	^a 20
1971	May 10, 1971	(e)	5
1972	May 10, 1972	(e)	^a 2
1973	June 2, 1973	.72	63
1974	Aug. 20, 1974	1.17	90
1975	Aug. 19, 1975	2.61	345
1976	June 22, 1976	^b 6.50	5,390
1977	July 21, 1977	-1.35	3
1978	Mar. 21, 1978	2.87	427

06123200 Spring Creek tributary near Harlowton, MT

Location.--Lat $46^{\circ}11'35''$, long $109^{\circ}54'10''$, Hydrologic Unit 10040201, in NW1/4 NW1/4 sec.18, T.5 N., R.15 E., Sweet Grass County, at culverts on U.S. Highway 191, 17 mi (27 km) south of Harlowton.

Drainage area.-- 2.10 mi^2 (5.44 km^2).

Records available.--1971, October 1973 to current year.

Gage.--Crest-stage installed Oct. 29, 1973. Altitude of gage is 4,900 ft (1,490 m), from topographic map.

06123200 Spring Creek tributary near Harlowton, MT--Continued

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1971	--	5.69	204
1973	--	--	(c)
1974	Aug. 20, 1974	1.21	2
1975	Apr. 20, 1975	2.46	32
1976	June 22, 1976	1.19	2
1977	--	--	(c)
1978	July 4, 1978	1.70	11

06124600 East Fork Roberts Creek tributary near Judith Gap, MT

Location.--Lat 46°40'51", long 109°40'24", Hydrologic Unit 10040201, in SE1/4 SW1/4 sec.26, T.11 N., R.16 E., Wheatland County, at culvert on Secondary Highway 248, 3.5 mi (5.6 km) east of Judith Gap.

Drainage area.--0.74 mi² (1.92 km²).

Records available.--August 1974 to current year.

Gage.--Crest-stage gage installed Aug. 5, 1974. Altitude of gage is 4,725 ft (1,440 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1974	^d Apr. 30, 1974	3.89	82
1975	May 6, 1975	2.49	26
1976	Apr. 20, 1976	3.61	70
1977	Apr. 9, 1977	2.89	10
1978	Mar. 30, 1978	3.59	69

06125520 Swimming Woman Creek tributary near Living Springs, MT

Location.--Lat 46°36'24", long 109°21'33", Hydrologic Unit 10040201, in SW1/4 SW1/4 sec.20, T.10 N., R.19 E., Golden Valley County, at culvert on county road, 2.3 mi (3.7 km) east of county line, 12.5 mi (20.1 km) northeast of Hedgesville, 19.5 mi (31.4 km) east of Judith Gap.

Drainage area.--1.73 mi² (4.48 km²).

Records available.--August 1974 to current year.

Gage.--Crest-stage gage installed Aug. 5, 1974. Altitude of gage is 4,900 ft (1,494 m), from topographic map.

06125520 Swimming Woman Creek tributary near Living Springs, MT--Continued

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1974	--	4.19	47
1975	--	--	(c)
1976	Mar. 17, 1976	1.89	2
1977	--	--	(c)
1978	--	--	(c)

06125680 Big Coulee Creek tributary near Cushman, MT

Location.--Lat 46°14'50", long 109°01'58", Hydrologic Unit 10040201, in SE1/4 SE1/4 sec.24, T.6 N., R.21 E., Golden Valley County, at culvert on county road, 3.0 mi (4.8 km) south of Cushman, 5.5 mi (8.8 km) southwest of Lavina.

Drainage area.--1.23 mi² (3.19 km²).

Records available.--August 1974 to current year.

Gage.--Crest-stage gage installed Aug. 6, 1974. Altitude of gage is 3,575 ft (1,090 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1974	--	4.90	54
1975	May 10, 1975	1.86	11
1976	Apr. 29, 1976	(e)	1
1977	June 12, 1977	3.44	29
1978	Mar. 27, 1978	2.54	16

06127505 Fish Creek near Musselshell, MT

Location.--Lat 46°27'25", long 108°06'36", Hydrologic Unit 10040202, in NW1/4 SW1/4 sec.9, T.8 N., R.29 E., Musselshell County, at culvert on county road, 2.5 mi (4.0 km) southwest of Hawk Creek road, 4.5 mi (7.2 km) southwest of Musselshell.

Drainage area.--17.8 mi² (46.1 km²).

Records available.--August 1974 to current year.

Gage.--Crest-stage gage installed Aug. 7, 1974. Altitude of gage is 3,150 ft (960 m), from topographic map.

06127505 Fish Creek near Musselshell, MT--Continued

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1974	--	5.80	86
1975	Mar. 3, 1975	2.13	16
1976	June 22, 1976	2.53	21
1977	--	--	(c)
1978	Mar. 21, 1978	3.27	32

06127520 Home Creek near Sumatra, MT

Location.--Lat 46°38'14", long 107°37'12", Hydrologic Unit 10040202, in SE1/4 NW1/4 sec.7, T.10 N., R.33 E., Rosebud County, 100 ft (305 m) upstream from U.S. Highway 12, 3.7 mi (6.0 km) northwest of Sumatra.

Drainage area.--1.98 mi² (5.13 km²).

Records available.--September 1973 to current year.

Gage.--Crest-stage gage installed Sept. 7, 1973. Altitude of gage is 3,080 ft (939 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1973	--	2.51	105
1974	May 14, 1974	1.20	1
1975	May 6, 1975	2.85	140
1976	Jan. 17, 1976	1.46	25
1977	May 17, 1977	1.37	22
1978	Mar. 26, 1978	2.71	126

06127570 Butts Coulee near Melstone, MT

Location.--Lat 46°38'49", long 107°49'15", Hydrologic Unit 10040202, in center of E1/2 sec.9, T.10 N., R.31 E., Musselshell County, at culvert on county road, 2.8 mi (4.5 km) north of U.S. Highway 12, 4. mi (6.4 km) northeast of Melstone.

Drainage area.--5.96 mi² (15.4 km²).

Records available.--May 1963 to current year. Prior to 1966, published as Musselshell River tributary No. 2 near Melstone.

Gage.--Crest-stage gage installed May 16, 1963. Altitude of gage is 2,810 ft (856 m), from topographic map.

06127570 Butts Coulee near Melstone, MT--Continued

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1963	d May 11, 1963	2.67	64
1964	Aug. 20, 1964	3.53	100
1965	June 15, 1965	3.9	114
1966	Mar. 8, 1966	1.21	20
1967	June 18, 1967	2.60	62
1968	June 9, 1968	8.44	310
1969	July 7, 1969	11.40	488
1970	June 14, 1970	5.82	170
1971	Feb. 13, 1971	3.43	95
1972	June 9, 1972	6.94	215
1973	Apr. 20, 1973	1.68	32
1974	May 20, 1974	1.21	20
1975	May 6, 1975	8.66	300
1976	June 22, 1976	6.00	180
1977	May 17, 1977	1.65	32
1978	Mar. 27, 1978	5.49	165

06127585 Little Wall Creek tributary near Flatwillow, MT

Location.--Lat $46^{\circ}45'36''$, long $108^{\circ}36'24''$, Hydrologic Unit 10040202, in SE1/4 NW1/4 sec.32, T.12 N., R.25 E., Petroleum County, at culvert on U.S. Highway 87, 1.7 mi (2.7 km) north of Junction with Highway 244, 20.5 mi (33.0 km) southeast of Grass Range.

Drainage area.--3.95 mi² (10.2 km²).

Records available.--August 1974 to current year.

Gage.--Crest-stage gage installed Aug. 7, 1974. Altitude of gage is 3,675 ft (1,120 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1974	--	3.77	32
1975	June 20, 1975	4.21	35
1976	Apr. 17, 1976	1.58	2
1977	Feb. 21, 1977	1.65	4
1978	Mar. 29, 1978	2.23	15

06128500 South Fork Bear Creek tributary near Roy, MT

Location.--Lat $47^{\circ}13'44''$, long $108^{\circ}47'54''$, Hydrologic Unit 10040204, in SW1/4 sec.16, T.17 N., R.23 E., Fergus County, at culvert on State Highway 19, 8.7 road mi (14.0 km) south of U.S. Highway 191, 1.7 mi (2.7 km) north of South Fork Bear Creek, 10.5 mi (16.9 km) southeast of Roy, and 14 mi (22.5 km) north of Grass Range.

Drainage area.-- 5.40 mi^2 (14.0 km 2).

Records available.--June 1962 to current year.

Gage.--Crest-stage gage installed May 14, 1963. Altitude of gage is 3,300 ft (1,010 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft3/s)</u>
1962	^d June 15, 1962	1.90	28
1963	June 25, 1963	.42	1
1964	July 5, 1964	2.88	63
1965	April 1965	2.78	59
1966	July 3, 1966	2.65	53
1967	May 1967	1.33	15
1968	June 9, 1968	3.31	82
1969	Mar. 19, 1969	5.40	185
1970	May 2, 1970	3.00	68
1971	Feb. 13, 1971	4.66	148
1972	July 19, 1972	1.19	12
1973	Apr. 20, 1973	3.64	98
1974	July 7, 1974	4.15	122
1975	May 6, 1975	3.91	111
1976	June 22, 1976	1.37	16
1977	June 21, 1977	4.35	132
1978	Mar. 21, 1978	4.07	118

06129800 Gorman Coulee tributary near Cat Creek, MT

Location.--Lat $47^{\circ}00'45''$, long $108^{\circ}05'33''$, Hydrologic Unit 10040204, in SE1/4 SW1/4 sec.31, T.15 N., R.29 E., Petroleum County, at culvert on State Highway 20, 6 mi (9.7 km) southwest of Cat Creek.

Drainage area.-- 0.81 mi^2 (2.10 km 2).

Records available.--May 1955 to current year.

Gage.--Crest-stage gage installed May 27, 1955. Altitude of gage is 2,760 ft (841 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1955	Aug. 23, 1955	3.02	159
1956	June 18, 1956	.96	32
1957	Aug. 30, 1957	1.24	44
1958	July 31, 1958	2.52	122
1959	Sept. 22, 1959	.28	10
1960	Mar. 18, 1960	.37	12
1961	Aug. 10, 1961	.50	15
1962	May 16, 1962	.55	17
1963	--	--	^a 5
1964	Aug. 20, 1964	1.85	78
1965	July 10, 1965	2.74	133
1966	Mar. 9, 1966	^b .52	^a 5
1967	June 7, 1967	4.14	230
1968	June 9, 1968	.94	31
1969	July 6, 1969	5.12	315
1970	June 13, 1970	.60	20
1971	June 27, 1971	2.52	115
1972	June 9, 1972	5.80	380
1973	Sept. 1, 1973	.20	10
1974	Jan. 17, 1974	.34	15
1975	July 1, 1975	.48	18
1976	Feb. 18, 1976	^b .47	^a 10
1977	July 26, 1977	4.35	250
1978	Mar. 29, 1978	2.10	85

06130610 Bair Coulee near Mosby, MT

Location.--Lat 47°03'15", long 107°36'43", Hydrologic Unit 10040205, in NE1/4 NE1/4 sec.23, T.15 N., R.32 E., Garfield County, at bridge on U.S. Highway 200, 6.8 mi (10.9 km) southwest of Sand Springs.

Drainage area.--1.79 mi² (4.64 km²).

Records available.--August 1974 to current year.

Gage.--Crest-stage gage installed Aug. 13, 1974. Altitude of gage is 2,980 ft (908 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1974	--	4.60	1,500
1975	July 31, 1975	1.62	28
1976	Mar. 18, 1976	1.67	32
1977	July 26, 1977	2.31	120
1978	July 3, 1978	3.90	800

06130620 Blood Creek tributary near Valentine, MT

Location.--Lat $47^{\circ}20'12''$, long $108^{\circ}27'48''$, Hydrologic Unit 10040205, in SW1/4 NW1/4 sec.7, T.18 N., R.26 E., Fergus County, at culvert on county road, 3.0 mi (4.8 km) northeast of Valentine, 16 mi (26 km) east of State Highway 19, 23 mi (37 km) east of Roy.

Drainage area.-- 1.97 mi^2 (5.10 km^2).

Records available.--July 1974 to current year.

Gage.--Crest-stage gage installed July 25, 1974. Altitude of gage is 2,950 ft (899 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1974	--	3.75	41
1975	June 20, 1975	7.15	533
1976	June 22, 1976	1.00	1
1977	July 6, 1977	4.17	65
1978	June 25, 1978	3.57	39

06130850 Second Creek tributary No. 2 near Jordan, MT

Location.--Lat $47^{\circ}12'23''$, long $106^{\circ}48'56''$, Hydrologic Unit 10040105, in NE1/4 sec.25, T.17 N., R.38 E., Garfield County, at culvert on State Highway 22, 9.5 mi (15.3 km) southeast of Jordan.

Drainage area.-- 2.08 mi^2 (5.39 km^2).

Records available.--March 1958 to current year.

Gage.--Crest-stage gage installed Mar. 18, 1958. Altitude of gage is 2,750 ft (838 m), from topographic map.

06130850 Second Creek tributary No. 2 near Jordan, MT--Continued

Maximum annual data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1958	June 1958	0.86	23
1959	Mar. 17, 1959	1.7	58
1960	Mar. 18, 1960	1.98	75
1961	Sept. 11, 1962	-.37	^a 2
1962	Mar. 18, 1962	.51	15
1963	Feb. 26, 1963	.82	20
1964	June 18, 1964	8.40	760
1965	Mar. 31, 1965	1.65	55
1966	July 2, 1966	.40	13
1967	June 7, 1967	.73	20
1968	Feb. 26, 1968	.26	10
1969	Apr. 25, 1969	.32	11
1970	June 30, 1970	2.89	120
1971	Feb. 14, 1971	.19	8
1972	Aug. 14, 1972	5.06	270
1973	June 18, 1973	1.99	75
1974	Aug. 14, 1974	2.91	120
1975	May 6, 1975	1.47	55
1976	June 22, 1976	1.70	58
1977	May 18, 1977	4.85	250
1978	Mar. 22, 1978	2.32	30

06130915 Russian Coulee near Jordan, MT

Location.--Lat $47^{\circ}19'58''$, long $106^{\circ}42'39''$, Hydrologic Unit 10040105, in NE1/4 SW1/4 sec.11, T.18 N., R.39 E., Garfield County, at bridge on U.S. Highway 200, 9.4 mi (15.1 km) east of Jordan.

Drainage area.--3.45 mi² (8.94 km²).

Records available.--August 1974 to current year.

Gage.--Crest-stage gage installed Aug. 14, 1974. Altitude of gage is 2,530 ft (771 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1974	--	3.85	135
1975	June 26, 1975	2.51	70
1976	June 22, 1976	4.57	175
1977	May 18, 1977	2.74	28 (corrected)
1978	July 3, 1978	4.34	75

06130925 Thompson Creek tributary near Cohagen, MT

Location.--Lat 46°57'05", long 106°27'38", Hydrologic Unit 10040106, in NW1/4 SW1/4 sec.19, T.14 N., R.42 E., Garfield County, 100 ft (30.5 km) downstream from bridge, 1.3 mi (2.1 km) northeast of Thompson Creek, 10.5 mi (16.9 km) southeast of Cohagen, 11 mi (18 km) northeast of county line, 14.1 mi (22.7 km) northeast of Rock Springs.

Drainage area.--1.23 mi² (3.19 km²).

Records available.--August 1974 to current year.

Gage.--Crest-stage gage installed Aug. 15, 1974. Altitude of gage is 2,750 ft (838 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1974	--	5.30	272
1975	May 6, 1975	2.20	27
1976	Aug. 9, 1976	6.21	510
1977	--	--	(^c)
1978	Mar. 29, 1978	1.80	15

06130940 Spring Creek tributary near Van Norman, MT

Location.--Lat 47°14'58", long 106°18'21", Hydrologic Unit 10040106, in NW1/4 NE1/4 sec.12, T.17 N., R.42 E., Garfield County, at culvert on county road, 7.2 mi (11.6 km) south of State Highway 200, 20.6 mi (33.1 km) northeast of Cohagen.

Drainage area.--1.39 mi² (3.60 km²).

Records available.--August 1974 to current year.

Gage.--Crest-stage gage installed Aug. 16, 1974. Altitude of gage is 2,440 ft (744 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1974	--	14.96	238
1975	Apr. 11, 1975	2.42	56
1976	Mar. 11, 1976	3.80	42
1977	Sept. 6, 1977	.83	1
1978	Mar. 21, 1978	5.00	59

06131100 Timber Creek tributary near Van Norman, MT

Location.--Lat $47^{\circ}23'32''$, long $106^{\circ}10'15''$, Hydrologic Unit 10040104, in SE1/4 NE1/4 sec.24, T.19 N., R.43 E., McCone County, at culvert on State Highway 24, 4.7 mi (7.6 km) north of State Highway 200, 12 mi (19 km) east of Van Norman.

Drainage area.--0.74 mi² (1.92 km²).

Records available.--June 1974 to current year.

Gage.--Crest-stage gage installed June 28, 1974. Altitude of gage is 2,425 ft (739 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft ³ /s)
1974	--	4.28	112
1975	June 30, 1975	2.30	35
1976	Aug. 9, 1976	4.24	110
1977	Sept. 7, 1977	.81	4
1978	Mar. 24, 1978	2.48	40

06131300 McGuire Creek tributary near Van Norman, MT

Location.--Lat $47^{\circ}36'22''$, long $106^{\circ}09'12''$, Hydrologic Unit 10040104, in NE1/4 SE1/4 sec.2, T.21 N., R.43 E., McCone County, at culvert on State Highway 24, 0.7 mi (1.1 km) south of McGuire Creek, 19 mi (31 km) north of State Highway 200, 20.5 mi (33.0 km) northeast of Van Norman.

Drainage area.--0.74 mi² (1.92 km²).

Records available.--June 1974 to current year.

Gage.--Crest-stage gage installed June 14, 1974. Altitude of gage is 2,400 ft (732 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft ³ /s)
1974	--	4.39	137
1975	June 30, 1975	3.29	80
1976	June 11, 1976	3.26	79
1977	Apr. 5, 1977	1.74	10
1978	July 4, 1978	7.10	270

06132400 Dry Fork Milk River near Babb, MT

Location.--Lat $48^{\circ}49'50''$, long $113^{\circ}12'02''$, Hydrologic Unit 10050001, in SE1/4 sec.32, T.36 N., R.12 W., Glacier County, at bridge on State Highway 464, 11 mi (17.7 km) east of Babb.

Drainage area.-- 17.9 mi^2 (46.4 km^2).

Records available.--August 1961 to current year.

Gage.--Crest-stage gage installed Aug. 13, 1961. Altitude of gage is 4,750 ft (1,450 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1962	Apr. 13, 1962	3.96	394
1963	July 5, 1963	2.41	70
1964	June 8, 1964	5.20	1,880
1965	Apr. 26, 1965	3.92	98
1966	June 4, 1966	4.32	450
1967	May 8, 1967	4.79	1,040
1968	May 22, 1968	3.45	125
1969	June 25, 1969	3.73	180
1970	June 13, 1970	3.85	210
1971	Apr. 15, 1971	2.99	62
1972	Mar. 16, 1972	^b 6.10	^a 1,000
1973	Apr. 12, 1973	--	^a 25
1974	Apr. 27, 1974	^b 4.37	72
1975	June 20, 1975	5.55	2,200
1976	Apr. 4, 1976	^b 6.15	^a 500
1977	Apr. 8, 1977	^b 3.42	^a 23
1978	Mar. 28, 1978	^b 4.56	Not determined

06134800 Van Cleeve Coulee tributary near Sunburst, MT

Location.--Lat $48^{\circ}53'05''$, long $111^{\circ}49'20''$, Hydrologic Unit 10030203, on north line of NE1/4 sec.14, T.36 N., R.2 W., Toole County, at culvert on county road, 3.7 road mi (6.0 km) east of the interchange on Interstate 15 at Sunburst.

Drainage area.-- 10.8 mi^2 (28.0 km^2).

Records available.--April 1963 to current year.

Gage.--Crest-stage gage installed Apr. 17, 1963. Altitude of gage is 3,340 ft (1,020 m), from topographic map.

06134800 Van Cleeve Coulee tributary near Sunburst, MT--Continued

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1963	--	--	(c)
1964	May 3, 1964	2.08	35
1965	Apr. 7, 1965	4.00	239
1966	Mar. 9, 1966	1.55	15
1967	Mar. 22, 1967	b 3.80	a 110
1968	Feb. 28, 1968	1.15	10
1969	Mar. 17, 1969	b 3.84	a 110
1970	Mar. 20, 1970	2.26	46
1971	Feb. 14, 1971	1.26	11
1972	Mar. 16, 1972	b 2.84	a 30
1973	Apr. 12, 1973	1.07	10
1974	Apr. 28, 1974	1.44	13
1975	Apr. 21, 1975	3.41	92
1976	Mar. 18, 1976	2.36	58
1977	--	--	(c)
1978	Mar. 29, 1978	3.85	98

06136400 Spring Coulee tributary near Simpson, MT

Location.--Lat $48^{\circ}56'36''$, long $110^{\circ}12'51''$, Hydrologic Unit 10050002, in SW1/4 SW1/4 sec.24, T.37 N., R.12 E., Hill County, at culvert on Highway 232, 1.3 mi (2.1 km) northwest of Simpson, 0.7 mi (1.1 km) north of mile post 39, 38 mi (61 km) northwest of Havre.

Drainage area.--2.49 mi² (6.45 km²).

Records available.--1972, May 1974 to current year.

Gage.--Crest-stage gage installed July 17, 1974. Altitude of gage is 2,775 ft (846 m) from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1972	--	4.12	35
1974	d May 13, 1974	2.00	9
1975	Apr. 19, 1975	1.35	3
1976	Mar. 17, 1976	1.97	9
1977	--	--	(c)
1978	Mar. 27, 1978	2.83	21

06137600 Sage Creek tributary No. 2 near Joplin, MT

Location.--Lat $48^{\circ}54'38''$, long $110^{\circ}46'20''$, Hydrologic Unit 10050006, in NE1/4 NE1/4 sec.2, T.36 N., R.7 E., Liberty County, at culvert on Highway 224, 0.7 mi (1.1 km) north of Sage Creek, 5.9 mi (9.5 km) north of end of pavement, 25.2 mi (41 km) north of Joplin.

Drainage area.-- 2.21 mi^2 (5.72 km^2).

Records available.--May 1974 to current year.

Gage.--Crest-stage gage installed July 18, 1974. Altitude of gage is 3,135 ft (956 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1974	^d May 13, 1974	2.47	15
1975	June 19, 1975	3.52	67
1976	Mar. 17, 1976	2.44	20
1977	--	--	(c)
1978	Mar. 27, 1978	3.10	56

06138700 South Fork Spring Coulee near Havre, MT

Location.--Lat $48^{\circ}24'33''$, long $109^{\circ}49'44''$, Hydrologic Unit 10050005, in NE1/4 sec.31, T.31 N., R.15 E., Hill County, at culvert on county road, 12 mi (19.3 km) southwest of Havre.

Drainage area.-- 6.47 mi^2 (16.8 km^2).

Records available.--May 1959 to current year.

Gage.--Crest-stage gage installed May 26, 1959. Altitude of gage is 2,770 ft (844 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1960	Mar. 17, 1960	2.04	33
1961	May 31, 1961	.04	2
1962	Mar. 18, 1962	1.68	25
1963	June 22, 1963	2.06	34
1964	May 3, 1964	.10	2
1965	April 1965	2.47	44
1966	Mar. 9, 1966	4.42	190
1967	Feb. 27, 1967	3.15	59
1968	Feb. 29, 1968	--	.1
1969	Mar. 26, 1969	3.47	75
1970	Mar. 7, 1970	1.96	31
1971	Feb. 12, 1971	2.38	50
1972	Mar. 13, 1972	^b 1.73	^a 5
1973	Apr. 24, 1973	.50	5
1974	Jan. 17, 1974	3.24	60
1975	Apr. 21, 1975	1.94	30
1976	Mar. 17, 1976	.61	7
1977	Apr. 5, 1977	^b .81	1
1978	July 4, 1978	3.02	53

06153400 Fifteenmile Creek tributary near Zurich, MT

Location.--Lat $48^{\circ}38'36''$, long $109^{\circ}02'50''$, Hydrologic Unit 10050004, in SE1/4 SE1/4 sec.1, T.33 N., R.21 E., Blaine County, at culvert on county road, 4.3 mi (6.9 km) north of U.S. Highway 2, 4.3 mi (6.9 km) north of Zurich.

Drainage area.-- 1.40 mi^2 (3.63 km^2).

Records available.--July 1974 to current year.

Gage.--Crest-stage gage installed July 16, 1974. Altitude of gage is 2,590 ft (789 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1974	--	3.60	41
1975	July 31, 1975	3.26	35
1976	Mar. 18, 1976	1.21	1
1977	--	--	(c)
1978	Mar. 29, 1978	4.91	70

06154350 Peoples Creek tributary near Lloyd, MT

Location.--Lat $48^{\circ}11'33''$, long $109^{\circ}18'25''$, Hydrologic Unit 10050009, in SW1/4 SE1/4 sec.8, T.28 N., R.19 E., Blaine County, at culvert on county road, 1.6 mi (2.6 km) south of Peoples Creek, 8 mi (12.9 km) south of Lloyd, 9 mi (14.5 km) southwest of Cleveland.

Drainage area.-- 2.51 mi^2 (6.50 km^2).

Records available.--July 1974 to current year.

Gage.--Crest-stage gage installed July 17, 1974. Altitude of gage is 4,140 ft (1,262 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1974	June 14, 1974	4.54	11
1975	May 6, 1975	4.96	15
1976	June 11, 1976	4.26	9
1977	--	--	(c)
1978	Apr. 15, 1978	4.42	10

06154410 Little Peoples Creek near Hays, MT

Location.--Lat $47^{\circ}57'59''$, long $108^{\circ}39'37''$, Hydrologic Unit 10050009, in SE1/4 SE1/4 NW1/4 sec.32, T.26 N., R.24 E., Blaine County, on right bank 0.5 mi (0.8 km) upstream from entrance to Mission Canyon, and 2 mi (3 km) southeast of Hays.

Drainage area.-- 13.0 mi^2 (30.6 km^2).

Records available.--August 1972 to current year.

Gage.--Water-stage recorder installed August 1972. Altitude of gage is 3,760 ft (1,150 m), from topographic map. August 1972 to June 24, 1976, gage at present site at datum 10.00 ft (3.048 m) lower.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1973	June 19, 1973	2.68	67
1974	May 25, 1974	4.57	576
1975	June 19, 1975	3.14	288
1976	July 7, 1976	.36	6
1977	May 17, 1977	10.39	14
1978	May 24, 1978	11.77	119

06155300 Disjardin Coulee near Malta, MT

Location.--Lat $48^{\circ}16'33''$ long $107^{\circ}57'49''$, Hydrologic Unit 10050004, in SE1/4 NW1/4 sec.16, T.29 N., R.29 E., Phillips County, at bridge on U.S. Highway 191, 8 mi (12.9 km) southwest of Malta.

Drainage area.-- 3.67 mi^2 (9.51 km^2).

Records available.--July 1955 to current year.

Gage.--Crest-stage gage installed July 26, 1955. Altitude of gage is 2,290 ft (698 m), from topographic map.

06155300 Disjardin Coulee near Malta, MT--Continued

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1956	Aug. 5, 1956	3.22	160
1957	Mar. 19, 1957	1.02	22
1958	--	--	(c)
1959	Mar. 18, 1959	1.62	132
1960	Mar. 18, 1960	.61	32
1961	May 30, 1961	.44	20
1962	July 18, 1962	2.23	a 200
1963	Feb. 5, 1963	b 3.25	a 100
1964	Aug. 20, 1964	.38	7
1965	Apr. 12, 1965	5.15	a 360
1966	March 1966	1.37	34
1967	Mar. 22, 1967	1.89	90
1968	Feb. 28, 1968	.47	15
1969	March 1969	.81	30
1970	June 14, 1970	.41	13
1971	Mar. 31, 1971	.55	17
1972	July 25, 1972	.66	22
1973	--	--	(c)
1974	Aug. 20, 1974	.30	10
1975	Aug. 20, 1975	2.04	67
1976	Mar. 19, 1976	1.14	27
1977	Aug. 22, 1977	.74	13
1978	July 4, 1978	.75	27

06155600 Murray Coulee tributary near Hogeland, MT

Location.--Lat 48°47'16", long 108°44'50", Hydrologic Unit 10050010, in SW1/4 SE1/4 sec.17, T.35 N., R.23 E., Blaine County, at culverts on county road, 6.5 mi (10.5 km) southwest of Hogeland, 13.6 mi (22.9 km) north of State Highway 241, 18.4 mi (29.6 km) northeast of Harlem.

Drainage area.--1.77 mi² (4.58 km²).

Records available.--July 1974 to current year.

Gage.--Crest-stage gage installed July 16, 1974. Altitude of gage is 3,250 ft (991 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1974	--	6.28	403
1975	June 19, 1975	5.82	345
1976	Mar. 18, 1976	3.95	153
1977	June 12, 1977	2.75	73
1978	Mar. 29, 1978	3.28	86

06156100 Lush Coulee near Whitewater, MT

Location.--Lat $48^{\circ}41'10''$, long $107^{\circ}41'25''$, Hydrologic Unit 10050011, in SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.20, T.34 N., R.31 E., Phillips County, 3 mi (4.8 km) north of State Highway 242, 6 mi (9.7 km) southwest of Whitewater.

Drainage area.--9.58 mi 2 (24.8 km 2).

Records available.--1972, June 1974 to current year.

Gage.--Crest-stage gage installed June 15, 1974. Altitude of gage is 2,455 ft (748 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft 3 /s)
1972	--	4.69	178
1974	--	2.82	83
1975	Apr. 20, 1975	3.00	91
1976	June 21, 1976	1.64	39
1977	June 10, 1977	1.32	28
1978	Mar. 26, 1978	2.23	59

06164600 Beaver Creek tributary near Zortman, MT

Location.--Lat $47^{\circ}55'38''$, long $108^{\circ}21'07''$, Hydrologic Unit 10050014, in NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.15, T.25 N., R.26 E., Phillips County, at bridge on State Highway 191, 0.3 mi (0.5 km) northeast of turnoff to Zortman, 8 mi (12.9 km) east of Zortman.

Drainage area.--3.89 mi 2 (10.1 km 2).

Records available.--June 1974 to current year.

Gage.--Crest-stage gage installed June 17, 1974. Altitude of gage is 3,010 ft (917 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft 3 /s)
1974	--	2.84	230
1975	June 19, 1975	2.71	190
1976	July 9, 1976	2.13	78
1977	May 18, 1977	1.50	18
1978	May 18, 1978	2.94	255

06165200 Beaver Creek tributary No. 2 near Malta, MT

Location.--Lat $48^{\circ}14'34''$, long $107^{\circ}32'58''$, Hydrologic Unit 10050014, in SW1/4 NE1/4 sec.27, T.29 N., R.32 E., Phillips County, at culvert on county road, 17 mi (27 km) southeast of Malta, 18 mi (29 km) southwest of Saco, 11 mi (18 km) south of Bowdoin.

Drainage area.-- 1.95 mi^2 (5.05 km^2).

Records available.--September 1974 to current year.

Gage.--Crest-stage gage installed Sept. 5, 1974. Altitude of gage is 2,275 ft (693 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1974	--	2.70	35
1975	Apr. 8, 1975	1.40	3
1976	Mar. 15, 1976	1.72	8
1977	Feb. 16, 1977	^b 1.70	^a 6
1978	July 3, 1978	1.28	2

06172300 Unger Coulee near Vandalia, MT

Location.--Lat $48^{\circ}22'11''$, long $106^{\circ}47'37''$, Hydrologic Unit 10050012, in SW1/4 sec.9, T.30 N., R.38 E., Valley County, at bridge on U.S. Highway 2, 4.5 mi (7.2 km) northeast of Vandalia.

Drainage area.-- 11.1 mi^2 (28.7 km^2).

Records available.--April 1958 to current year.

Gage.--Crest-stage gage installed Apr. 15, 1958. Altitude of gage is 2,220 ft (677 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1958	^d March 1958	0.92	10
1959	Apr. 1, 1959	1.41	32
1960	Mar. 20, 1960	2.32	225
1961	June 13, 1961	1.02	13
1962	July 14, 1962	3.28	575
1963	June 29, 1963	2.23	46
1964	July 19, 1964	1.20	12
1965	May 6, 1965	2.63	330
1966	March 1966	1.15	10
1967	Mar. 27, 1967	^b 2.75	^a 100
1968	Feb. 28, 1968	^b 2.24	^a 30
1969	Apr. 26, 1969	1.30	17
1970	June 30, 1970	2.75	370
1971	May 30, 1971	2.23	195
1972	June 9, 1972	6.31	4,460
1973	--	--	(c)
1974	May 20, 1974	2.84	250
1975	May 7, 1975	3.08	320
1976	July 2, 1976	3.08	320
1977	Aug. 31, 1977	2.53	180
1978	Mar. 28, 1978	^b 2.94	^a 140

06173300 Willow Creek tributary near Fort Peck, MT

Location.--Lat $47^{\circ}53'36''$, long $106^{\circ}53'22''$, Hydrologic Unit 10050012, in SE1/4 NE1/4 sec.25, T.25 N., R.37 E., Valley County, at culvert on county road, 6.8 mi (10.9 km) west of the Pines Recreation area turnoff, 19.8 mi (32 km) southwest of State Highway 24, and 21.5 mi (34.6 km) southwest of Fort Peck.

Drainage area.-- 0.86 mi^2 (2.23 km^2).

Records available.--1972, June 1974 to current year.

Gage.--Crest-stage gage installed June 14, 1974. Altitude of gage is 2,275 ft (693 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1972	--	9.38	940
1974	June 21, 1974	4.40	63
1975	May 6, 1975	8.55	185
1976	July 1, 1976	8.25	120
1977	Feb. 21, 1977	1.25	4
1978	May 19, 1978	4.56	63

06174300 Milk River tributary No. 3 near Glasgow, MT

Location.--Lat $48^{\circ}12'17''$, long $106^{\circ}33'05''$, Hydrologic Unit 10050012, in SW1/4 SW1/4 sec.3, T.28 N., R.40 E., Valley County, at upstream end of culvert on county road, 1.4 mi (2.9 km) east of State Highway 247, 4 mi (6.4 km) northeast of Glasgow.

Drainage area.-- 1.82 mi^2 (4.71 km^2).

Records available.--June 1974 to current year.

Gage.--Crest-stage gage installed June 13, 1974. Altitude of gage is 2,255 ft (687 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1974	^d May 20, 1974	7.05	128
1975	July 1, 1975	7.61	251
1976	July 1, 1976	2.51	43
1977	--	--	(c)
1978	Mar. 25, 1978	^b 4.73	^a 83

06174600 Snow Coulee at Opheim, MT

Location.--Lat $48^{\circ}50'27''$, long $106^{\circ}24'47''$, Hydrologic Unit 10050016, in SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.25, T.36 N., R.40 E., Valley County, at culvert 1 mi (1.6 km) south of Opheim on FAS Route 247.

Drainage area.--2.95 mi 2 (7.64 km 2).

Records available.--1972, May 1974 to current year.

Gage.--Crest-stage gage installed June 13, 1974. Altitude of gage is 3,200 ft (975 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft 3 /s)
1972	--	4.56	245
1974	d May 18, 1974	1.31	30
1975	May 7, 1975	2.01	53
1976	July 1, 1976	2.74	87
1977	--	--	(c)
1978	Mar. 29, 1978	4.11	170

06175700 East Fork Wolf Creek near Lustre, MT

Location.--Lat $48^{\circ}24'58''$, long $105^{\circ}47'51''$, Hydrologic Unit 10060001, in SE $\frac{1}{4}$ sec.30, T.31 N., R.46 E., Valley County, at culverts on county road, 4 mi (6.4 km) east of Lustre.

Drainage area.--9.61 mi 2 (24.9 km 2).

Records available. June 1955 to current year.

Gage.--Crest-stage gage installed June 9, 1955. Altitude of gage is 2,720 ft (829 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft 3 /s)
1956	June 1956	2.27	12
1957	March 1957	b 3.28	a 5
1958	April 1958	b .58	a 1
1959	June 21, 1959	.42	2
1960	Mar. 19, 1960	b 5.20	a 150
1961	Mar. 5, 1961	b 3.44	a 130
1962	June 14, 1962	3.26	74
1963	Mar. 6, 1963	--	a 40
1964	Apr. 1, 1964	b 1.74	a 50
1965	June 16, 1965	2.92	60
1966	March 1966	b 4.79	a 90
1967	March 1967	2.61	55
1968	Aug. 15, 1968	3.58	75
1969	Apr. 26, 1969	--	a 280
1970	June 30, 1970	6.42	2,230
1971	Apr. 9, 1971	5.33	150
1972	Mar. 15, 1972	5.03	184
1973	--	--	(c)
1974	May 20, 1974	4.61	150
1975	July 1, 1975	2.89	53
1976	Mar. 19, 1976	5.67	744
1977	--	--	(c)
1978	Mar. 26, 1978	b 5.72	a 80

06175900 Wolf Creek tributary No. 2 near Wolf Point, MT

Location.--Lat $48^{\circ}12'05''$, long $105^{\circ}44'45''$, Hydrologic Unit 10060001, in sec.11, T.28 N., R.46 E., Roosevelt County, at bridge on county road, 9.5 mi (15.3 km) northwest of Wolf Point.

Drainage area.-- 6.10 mi^2 (15.8 km^2).

Records available.--June 1955 to current year.

Gage.--Crest-stage gage installed June 24, 1955. Altitude of gage is 2,240 ft (683 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1955	July 1955	1.50	15
1956	April 1956	1.92	26
1957	July 14, 1957	2.03	28
1958	Mar. 24, 1958	1.62	1
1959	June 20, 1959	3.81	979
1960	Mar. 18, 1960	3.24	140
1961	May 21, 1961	3.00	110
1962	July 1, 1962	4.78	365
1963	July 10, 1963	4.18	265
1964	May 5, 1964	1.56	1
1965	June 16, 1965	2.66	80
1966	July 2, 1966	3.23	135
1967	March 1967	b 5.40	^a 300
1968	July 16, 1968	7.81	3,900
1969	Apr. 7, 1969	3.18	130
1970	July 28, 1970	3.63	185
1971	Apr. 9, 1971	3.37	155
1972	Mar. 15, 1972	5.47	380
1973	June 18, 1973	3.08	10
1974	May 20, 1974	5.25	330
1975	July 1, 1975	5.35	350
1976	Mar. 19, 1976	4.45	180
1977	Sept. 8, 1977	3.72	70
1978	July 4, 1978	3.87	90

06176950 Missouri River tributary No. 6 near Wolf Point, MT

Location.--Lat $48^{\circ}03'23''$, long $105^{\circ}33'22''$, Hydrologic Unit 10060001, in NW1/4 NW1/4 sec.32, T.27 N., R.48 E., McCone County, on left bank at upstream end of culvert on county road, 1.2 mi (1.9 km) west of State Highway 13, 5 mi (8 km) southwest of Wolf Point.

Drainage area.-- 0.08 mi^2 (0.21 km^2).

Records available.--1973, June 1974 to current year.

Gage.--Crest-stage gage installed June 11, 1974. Altitude of gage is 1,995 ft (608 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1973	--	4.90	28
1974	--	3.90	16
1975	Apr. 26, 1975	3.51	11
1976	Mar. 19, 1976	5.51	34
1977	--	--	(c)
1978	May 7, 1978	4.02	16

06177020 Tule Creek tributary near Wolf Point, MT

Location.--Lat $48^{\circ}14'40''$, long $105^{\circ}29'31''$, Hydrologic Unit 10060001, in SE1/4 SE1/4 sec.21, T.29 N., R.48 E., Roosevelt County, on right bank at upstream end of culvert, on county road 0.2 mi (0.3 km) east of State Highway 13, 8.6 mi (13.8 km) north of U.S. Highway 2, 12.5 mi (20.1 km) northeast of Wolf Point.

Drainage area.-- 0.74 mi^2 (1.92 km^2).

Records available.--June 1974 to current year.

Gage.--Crest-stage gage installed June 11, 1974. Altitude of gage is 2,320 ft (707 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1974	--	6.80	77
1975	June 30, 1975	8.70	118
1976	June 7, 1976	1.58	22
1977	--	--	(c)
1978	Mar. 23, 1978	1.67	23

06177050 East Fork Duck Creek near Brockway, MT

Location.--Lat $47^{\circ}11'14''$, long $105^{\circ}47'09''$, Hydrologic Unit 10060002, in sec.31, T.17 N., R.47 E., McCone County, at bridge on county road, 8 mi (12.9 km) south of Brockway.

Drainage area.-- 12.4 mi^2 (32.1 km^2).

Records available.--June 1955 to current year.

Gage.--Crest-stage gage installed June 13, 1955. Altitude of gage is 2,660 ft (811 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1955	July 12, 1955	1.46	106
1956	Mar. 2, 1956	1.08	60
1957	July 14, 1957	3.64	505
1958	July 21, 1958	.19	8
1959	Mar. 18, 1959	2.47	273
1960	Aug. 16, 1960	1.65	140
1961	May 31, 1961	1.62	134
1962	July 14, 1962	1.97	190
1963	June 6, 1963	4.30	650
1964	July 5, 1964	1.31	93
1965	June 16, 1965	2.33	250
1966	July 1, 1966	2.19	224
1967	March 1967	b .85	a 30
1968	Feb. 27, 1968	b .95	a 10
1969	Mar. 17, 1969	b 2.50	a 120
1970	June 12, 1970	.40	12
1971	Mar. 30, 1971	1.59	130
1972	Mar. 12, 1972	2.49	280
1973	--	--	(c)
1974	June 21, 1974	.84	40
1975	Apr. 3, 1975	.94	50
1976	Mar. 18, 1976	1.09	65
1977	Aug. 31, 1977	.34	12
1978	Mar. 25, 1978	3.49	475

06177700 Cow Creek tributary near Vida, MT

Location.--Lat $47^{\circ}42'34''$, long $105^{\circ}29'24''$, Hydrologic Unit 10060002, in SE1/4 sec.36, T.23 N., R.48 E., McCone County, at bridge on State Highway 13, 8.8 mi (14.2 km) south of Vida, and 20 mi (32.2 km) northeast of Circle.

Drainage area.-- 1.71 mi^2 (4.43 km^2).

Records available.--May 1963 to current year.

Gage.--Crest-stage gage installed May 18, 1963. Altitude of gage is 2,390 ft (728 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1963	June 5, 1963	4.07	750
1964	--	--	(c)
1965	June 15, 1965	.90	20
1966	July 2, 1966	2.30	200
1967	March 1967	1.25	50
1968	Feb. 26, 1968	.85	17
1969	Mar. 21, 1969	1.71	100
1970	Apr. 7, 1970	1.41	62
1971	Mar. 31, 1971	1.30	53
1972	Mar. 13, 1972	b 3.10	300
1973	--	--	(c)
1974	May 20, 1974	.93	23
1975	May 6, 1975	2.42	225
1976	July 2, 1976	3.74	620
1977	--	--	(c)
1978	July 3, 1978	2.77	310

06177720 West Fork Sullivan Creek near Richey, MT

Location.--Lat $47^{\circ}31'47''$, long $105^{\circ}13'43''$, Hydrologic Unit 10060002, in NW1/4 NW1/4 sec.4, T.20 N., R.51 E., Dawson County, at culvert on county road, 2.5 mi (4.0 km) south of Highway 200, 11 mi (18 km) southwest of Richey, 19 mi (31 km) northeast of Circle.

Drainage area.-- 13.8 mi^2 (35.7 km^2).

Records available.--1972, June 1974 to current year.

Gage.--Crest-stage gage installed June 28, 1974. Altitude of gage is 2,520 ft (768 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1972	--	5.45	103
1974	--	--	(c)
1975	May 7, 1975	3.52	49
1976	July 2, 1976	5.52	104
1977	July 10, 1977	2.27	11
1978	Mar. 22, 1978	b 4.75	a 10

06177800 Wolf Creek tributary near Vida, MT

Location.--Lat $47^{\circ}54'49''$, long $105^{\circ}29'53''$, Hydrologic Unit 10060002, in SE1/4 sec.15, T.25 N., R.48 E., McCone County, at bridge on State Highway 13, 11.1 road mi (17.9 km) south of the Missouri bridge near Wolf Point, and 5.5 mi (8.8 km) north of Vida.

Drainage area.-- 0.91 mi^2 (2.36 km^2).

Records available.--July 1962 to current year.

Gage.--Crest-stage gage installed May 18, 1963. Altitude of gage is 2,400 ft (732 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1962	^d July 14, 1962	8.58	a 1,500
1963	Aug. 25, 1963	1.83	a 70
1964	--	--	(c)
1965	Apr. 13, 1965	3.00	a 150
1966	July 4, 1966	5.45	850
1967	Mar. 22, 1967	^b 1.33	21
1968	Feb. 26, 1968	.20	1
1969	Apr. 7, 1969	1.42	40
1970	June 12, 1970	5.50	870
1971	Mar. 31, 1971	.46	7
1972	Mar. 13, 1972	1.86	38
1973	--	--	(c)
1974	Aug. 8, 1974	1.96	80
1975	July 1, 1975	2.86	165
1976	July 2, 1976	2.59	96
1977	--	--	(c)
1978	July 3, 1978	.99	23

06177820 North Fork Creek tributary near Richey, MT

Location.--Lat $47^{\circ}52'28''$, long $104^{\circ}56'10''$, Hydrologic Unit 10060002, in SE1/4 NE1/4 sec.36, T.25 N., R.52 E., Richland County, at culvert on county road, 15.3 mi (24.6 km) north of Highway 200, 14.5 mi (23.3 km) northwest of Enid.

Drainage area.-- 0.74 mi^2 (1.92 km^2).

Records available.--August 1974 to current year.

Gage.--Crest-stage gage installed Aug. 17, 1974. Altitude of gage is 2,350 ft (716 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1974	--	3.35	42
1975	May 6, 1975	2.33	19
1976	Mar. 18, 1976	3.71	54
1977	--	--	(c)
1978	Mar. 24, 1978	5.23	105

06179100 Butte Creek tributary near Four Buttes, MT

Location.--Lat $48^{\circ}48'33''$, long $105^{\circ}35'08''$, Hydrologic Unit 10060003, in SE1/4 SE1/4 sec.5, T.35 N., R.47 E., Daniels County, attached to wooden post on left bank at upstream end of culvert on FAS Route 248, 1 mi (1.6 km) east of Four Buttes.

Drainage area.-- 1.57 mi^2 (4.07 km^2).

Records available.--1972, May 1974 to current year.

Gage.--Crest-stage gage installed June 12, 1974. Altitude of gage is 2,460 ft (750 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1972	--	4.55	144
1974	^d May 13, 1974	1.76	10
1975	July 1, 1975	7.60	609
1976	Mar. 18, 1976	2.77	48
1977	Aug. 31, 1977	1.41	16
1978	July 4, 1978	1.53	18

06182700 Middle Fork Big Muddy Creek near Flaxville, MT

Location.--Lat $48^{\circ}48'08''$, long $105^{\circ}06'48''$, Hydrologic Unit 10060006, in SW1/4 NE1/4 sec.12, T.35 N., R.50 E., Daniels County, on left downstream piling of bridge on State Highway 5, 2.8 mi (4.5 km) east of Flaxville.

Drainage area.-- 2.88 mi^2 (7.46 km^2).

Records available.--1972, May 1974 to current year.

Gage.--Crest-stage gage installed June 12, 1974. Altitude of gage is 2,570 ft (783 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1972	--	3.32	101
1974	^d May 13, 1974	1.50	14
1975	Apr. 22, 1975	2.62	59
1976	Mar. 18, 1976	3.89	142
1977	Aug. 20, 1977	1.80	24
1978	Mar. 24, 1978	2.01	28

06183300 Spring Creek near Plentywood, MT

Location.--Lat $48^{\circ}48'45''$, long $104^{\circ}28'16''$, Hydrologic Unit 10060006, in SE $\frac{1}{4}$ sec.1, T.35 N., R.55 E., Sheridan County, at culvert on county road, 5 mi (8.0 km) northeast of Plentywood.

Drainage area.--7.05 mi² (18.3 km²).

Records available.--June 1955 to current year.

Gage.--Crest-stage gage installed June 10, 1955. Altitude of gage is 2,260 ft (689 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft ³ /s)
1955	July 7, 1955	0.69	5
1956	--	--	(c)
1957	July 23, 1957	2.77	76
1958	Mar. 30, 1958	1.49	25
1959	June 26, 1959	1.30	20
1960	Mar. 21, 1960	5.19	240
1961	July 30, 1961	1.20	17
1962	Mar. 26, 1962	1.32	24
1963	Sept. 17, 1963	^a 2.7	72
1964	Mar. 31, 1964	^b 5.45	^a 40
1965	Apr. 14, 1965	^b .67	^a 10
1966	Mar. 13, 1966	2.33	60
1967	April 1967	1.07	16
1968	March 1968	1.80	40
1969	Apr. 4, 1969	^b 5.56	^a 40
1970	June 13, 1970	1.28	23
1971	Apr. 5, 1971	1.00	11
1972	Mar. 15, 1972	^b 5.12	^a 60
1973	Mar. 3, 1973	.22	1
1974	May 20, 1974	2.63	70
1975	May 7, 1975	2.06	50
1976	June 12, 1976	3.34	94
1977	June 4, 1977	.64	4
1978	July 4, 1978	1.52	32

06184200 Lost Creek tributary near Homestead, MT

Location.--Lat $48^{\circ}24'09''$, long $104^{\circ}29'49''$, Hydrologic Unit 10060006, in NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.31, T.31 N., R.56 E., Sheridan County, at right downstream end of bridge on State Highway 16, 2.3 mi (3.7 km) southeast of Homestead, 4.6 mi (7.4 km) north of Froid.

Drainage area.--1.90 mi² (4.92 km²).

Records available.--1972, May 1974 to current year.

Gage.--Crest-stage gage installed June 11, 1974. Altitude of gage is 1,970 ft (600 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft ³ /s)
1972	--	3.48	a 50
1974	d May 14, 1974	1.62	8
1975	May 7, 1975	2.27	1
1976	June 12, 1976	12.60	1,260
1977	Feb. 28, 1977	4.88	20
1978	July 5, 1978	8.67	247

06185400 Missouri River tributary No. 5 at Culbertson, MT

Location.--Lat $48^{\circ}09'31''$, long $104^{\circ}30'55''$, Hydrologic Unit 10060005, in SE $\frac{1}{4}$ sec.20, T.28 N., R.56 E., Roosevelt County, at culvert on State Highway 16, 0.7 mi (1.1 km) north of U.S. Highway 2, at Culbertson Rodeo Grounds.

Drainage area.--3.67 mi² (9.51 km²).

Records available.--May 1963 to current year.

Gage.--Crest-stage gage installed May 19, 1963. Altitude of gage is 1,970 ft (600 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft ³ /s)
1963	July 24, 1963	6.60	495
1964	June 14, 1964	2.59	128
1965	Apr. 17, 1965	1.01	a 30
1966	July 4, 1966	2.14	95
1967	March 1967	b 2.52	a 90
1968	Feb. 29, 1968	b .98	a 10
1969	Apr. 7, 1969	1.02	30
1970	Apr. 7, 1970	1.09	33
1971	Mar. 16, 1971	2.00	85
1972	Mar. 15, 1972	2.19	100
1973	Mar. 3, 1973	.30	5
1974	Jan. 17, 1974	.65	15
1975	Apr. 22, 1975	1.66	64
1976	June 12, 1976	10.52	1,325
1977	Aug. 31, 1977	.66	1
1978	Mar. 25, 1978	2.57	125

06201700 Hump Creek near Reed Point, MT

Location.--Lat $45^{\circ}42'33''$, long $109^{\circ}35'35''$, Hydrologic Unit 10070004, in NE $\frac{1}{4}$ sec.35, T.1 S., R.17 E., Sweet Grass County, at bridge on Interstate Highway 90 and U.S. Highway 10, 2 mi (3.2 km) west of Reed Point.
Drainage area.--7.61 mi 2 (19.7 km 2).

Records available.--May 1959 to current year.

Gage.--Crest-stage gage installed May 4, 1959. Altitude of gage is 3,780 ft (1,150 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft 3 /s)
1960	Mar. 19, 1960	0.50	15
1961	--	--	(c)
1962	June 13, 1962	2.96	307
1963	May 12, 1963	.29	8
1964	--	(e)	a 1
1965	Apr. 2, 1965	.2	5
1966	Mar. 10, 1966	.76	30
1967	June 27, 1967	1.93	130
1968	June 9, 1968	1.62	87
1969	Mar. 17, 1969	.97	28
1970	May 21, 1970	1.16	40
1971	Feb. 15, 1971	.76	18
1972	Aug. 3, 1972	1.00	30
1973	May 1, 1973	1.52	45
1974	Jan. 15, 1974	2.77	227
1975	May 7, 1975	2.96	307
1976	May 11, 1976	2.28	123
1977	--	--	(c)
1978	May 18, 1978	2.96	295

06205100 Allen Creek near Park City, MT

Location.--Lat $45^{\circ}35'43''$, long $109^{\circ}03'22''$, Hydrologic Unit 10070004, in NE $\frac{1}{4}$ sec.7, T.3 S., R.22 E., Stillwater County, about 200 ft (61 m) upstream from Cove ditch flume, 7 mi (11.3 km) west of Park City.
Drainage area.--7.17 mi 2 (18.6 km 2).

Records available.--June 1961 to current year.

Gage.--Crest-stage gage installed June 15, 1961. Altitude of gage is 3,470 ft (1,060 m), from topographic map

06205100 Allen Creek near Park City, MT--Continued

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1961	d May 24, 1961	5.68	1,580
1962	Feb. 1, 1962	1.30	120
1963	June 3, 1963	.15	10
1964	--	--	(c)
1965	Apr. 2, 1965	.35	30
1966	June 19, 1966	2.40	260
1967	June 17, 1967	2.00	196
1968	Feb. 19, 1968	1.05	90
1969	June 20, 1969	1.45	135
1970	May 21, 1970	1.24	110
1971	Feb. 28, 1971	^b 1.75	^a 75
1972	Feb. 19, 1972	--	5
1973	May 1, 1973	.75	60
1974	Jan. 15, 1974	1.92	190
1975	May 7, 1975	1.30	117
1976	May 14, 1976	.97	80
1977	--	--	(c)
1978	May 18, 1978	3.46	410

06207600 Jack Creek tributary near Belfry, MT

Location.--Lat 45°09'44", long 108°49'24", Hydrologic Unit 10070006, in SE1/4 SE1/4 sec.6, T.8 S., R.24 E., Carbon County, on railroad bridge 100 ft (30.5 m) upstream from U.S. Highway 310, 9 mi (14 km) east of Belfry, 11.5 mi (18.5 km) northwest of Warren.

Drainage area.--0.85 mi² (2.20 km²).

Records available.--November 1974 to current year.

Gage.--Crest-stage gage installed Nov. 26, 1974. Altitude of gage is 4,035 ft (1.230 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1975	May 7, 1975	1.19	9
1976	Aug. 3, 1976	2.34	28
1977	June 10, 1977	2.09	24
1978	May 18, 1978	2.23	27

06214150 Mills Creek at Rapelje, MT

Location.--Lat $45^{\circ}58'03''$, long $109^{\circ}15'17''$, Hydrologic Unit 10070004, in SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.32, T.3 N., R.20 E., Stillwater County, at culvert on Secondary Highway 306, 0.4 mi (0.6 km) south of Rapelje.

Drainage area.--3.32 mi 2 (8.60 km 2).

Records available.--August 1974 to current year.

Gage.--Crest-stage gage installed Aug. 6, 1974. Altitude of gage is 4,025 ft (1,227 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft3/s)</u>
1974	--	3.46	31
1975	May 19, 1975	1.78	8
1976	Feb. 12, 1976	1.44	4
1977	--	--	(c)
1978	June 15, 1978	1.83	9

06216200 West Wets Creek near Billings, MT

Location.--Lat $45^{\circ}37'38''$, long $108^{\circ}24'14''$, Hydrologic Unit 10070008, in SW $\frac{1}{4}$ sec.28, T.2 S., R.27 E., Yellowstone County, at bridge on county road, 19 mi (30.6 km) southeast of Billings.

Drainage area.--8.80 mi 2 (22.8 km 2).

Records available.--May 1955 to current year.

Gage.--Crest-stage gage installed May 26, 1955. Altitude of gage is 3,550 ft (1,080 m), from topographic map

06216200 West Wets Creek near Billings, MT--Continued

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1955	Aug. 25, 1955	--	a 5
1956	Feb. 22, 1956	3.23	65
1957	June 8, 1957	1.66	105
1958	July 2, 1958	.50	40
1959	June 4, 1959	1.14	70
1960	May 2, 1960	2.50	160
1961	May 21, 1961	.40	35
1962	Mar. 9, 1962	1.92	118
1963	June 8, 1963	2.7	170
1964	Apr. 26, 1964	6.9	565
1965	June 25, 1965	2.20	135
1966	Mar. 9, 1966	4.18	292
1967	June 6, 1967	2.46	155
1968	June 9, 1968	1.43	90
1969	June 26, 1969	3.10	200
1970	June 12, 1970	2.24	140
1971	June 10, 1971	2.23	138
1972	May 21, 1972	3.52	235
1973	Apr. 25, 1973	1.90	110
1974	June 8, 1974	3.03	200
1975	June 19, 1975	2.34	100
1976	June 22, 1976	2.16	90
1977	May 17, 1977	1.06	68
1978	May 19, 1978	6.81	545

06217300 Twelvemile Creek near Shepherd, MT

Location.--Lat 45°55'16", long 108°27'44", Hydrologic Unit 10070007, in NW1/4 SW1/4 sec.14, T.2 N., R.26 E., Yellowstone County, at bridge on Highway 87, 5.6 mi (9.0 km) north of junction with old Highway 10, 6.0 mi (9.7 km) west of Shepherd.

Drainage area.--9.05 mi² (24.6 km²).

Records available.--October 1973 to current year.

Gage.--Crest-stage gage installed Oct. 29, 1973. Altitude of gage is 3,220 ft (981 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1973	--	1.89	70
1974	June 8, 1974	1.20	20
1975	Feb. 24, 1975	1.78	60
1976	May 14, 1976	1.32	25
1977	--	--	(c)
1978	May 18, 1978	3.04	250

06217700 Crooked Creek tributary near Shepherd, MT

Location.--Lat $46^{\circ}04'23''$, long $108^{\circ}30'09''$, Hydrologic Unit 10070007, in SW1/4 sec.21, T.4 N., R.26 E., Yellowstone County, at bridge on county road, 1.7 mi (2.7 km) west of U.S. Highway 87 between Billings and Roundup, 12 mi (19.3 km) northwest of Shepherd, and 20 mi (32.2 km) north of Billings.

Drainage area.-- 7.21 mi^2 (18.7 km^2).

Records available.--June 1962 to current year.

Gage.--Crest-stage gage installed Apr. 22, 1963. Altitude of gage is 3,400 ft (1,040 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1962	June 4, 1962	13.68	5,120
1963	June 21, 1963	5.26	1,110
1964	June 18, 1964	1.76	^a 150
1965	June 25, 1965	--	47
1966	Mar. 8, 1966	3.54	^a 600
1967	June 11, 1967	7.85	1,980
1968	Sept. 22, 1968	1.46	^a 150
1969	March 1969	2.20	250
1970	May 30, 1970	1.86	220
1971	Feb. 12, 1971	.88	85
1972	June 9, 1972	1.37	140
1973	Aug. 23, 1973	.82	80
1974	Aug. 20, 1974	1.49	160
1975	Feb. 24, 1975	.73	75
1976	May 14, 1976	.91	90
1977	--	--	(c)
1978	May 18, 1978	-.70	7

06290200 Little Bighorn River tributary near Wyola, MT

Location.--Lat $45^{\circ}08'18''$, long $107^{\circ}23'08''$, Hydrologic Unit 10080016, in SE1/4 NW1/4 sec.14, T.8 S., R.35 E., Big Horn County, on left bank along side of private road, 0.3 mi (0.5 km) east of U.S. Highway 87, 0.8 mi (1.3 km) northeast of Wyola.

Drainage area.-- 4.43 mi^2 (11.5 km^2).

Records available.-- October 1973 to current year.

Gage.--Crest-stage gage installed Oct. 30, 1973. Altitude of gage is 3,680 ft (1,120 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1973	--	2.15	46
1974	May 1974	--	1
1975	Mar. 3, 1975	^b 2.64	28
1976	Feb. 8, 1976	1.22	3
1977	June 10, 1977	3.79	225 (corrected)
1978	May 19, 1978	3.39	136

06293300 Long Otter Creek near Lodgegrass, MT

Location.--Lat $45^{\circ}26'15''$, long $107^{\circ}23'42''$, Hydrologic Unit 10080016, near center of line between the NE1/4 and NW1/4 of SE1/4 sec.28, T.4 S., R.35 E., Big Horn County, at culvert on U.S. Highway 87, 10 mi (16 km) north of Lodgegrass.

Drainage area.-- 11.7 mi^2 (30.3 km^2).

Records available.--October 1973 to current year.

Gage.--Crest-stage gage installed Oct. 30, 1973. Altitude of gage is 3,210 ft (978 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1973	--	2.81	53 (corrected)
1974	Jan. 16, 1974	1.65	14 (corrected)
1975	Apr. 4, 1975	4.60	129 (corrected)
1976	Mar. 19, 1976	1.73	17
1977	Mar. 25, 1977	b 3.01	a 30
1978	May 19, 1978	8.04	298

06294400 Andresen Coulee near Custer, MT

Location.--Lat $46^{\circ}03'53''$, long $107^{\circ}32'30''$, Hydrologic Unit 10080015, in center of W1/2 sec.30, T.4 N., R.34 E., Yellowstone County, at culvert on State Highway 47, 4.5 mi (7.2 km) south of Custer, and 5.3 road mi (8.5 km) south of U.S. Highways 10 and 312.

Drainage area.-- 2.35 mi^2 (6.09 km^2).

Records available.--April 1963 to current year.

Gage.--Crest-stage gage installed Apr. 27, 1963. Altitude of gage is 2,820 ft (860 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1963	June 4, 1963	1.57	40
1964	June 18, 1964	1.06	20
1965	Aug. 23, 1965	.87	13
1966	Mar. 9, 1966	--	5
1967	February 1967	.30	2
1968	June 9, 1968	.90	14
1969	Mar. 18, 1969	1.06	20
1970	Apr. 6, 1970	.05	1
1971	Feb. 12, 1971	b 1.72	a 5
1972	Feb. 28, 1972	b 1.18	9
1973	Sept. 1, 1973	.33	2
1974	Jan. 15, 1974	.33	2
1975	Jan. 15, 1975	1.01	18
1976	June 11, 1976	.88	14
1977	May 17, 1977	.37	3
1978	May 18, 1978	.47	5

06294600 Tullock Creek tributary near Hardin, MT

Location.--Lat $45^{\circ}47'52''$, long $107^{\circ}15'40''$, Hydrologic Unit 10080015, in NW1/4 NW1/4 sec.33, T.1 N., R.36 E., Big Horn County, at culvert on State Highway 384, 18 mi (30 km) northeast of Hardin.

Drainage area.-- 8.63 mi^2 (22.4 km^2).

Records available.--October 1973 to current year.

Gage.--Crest-stage gage installed Oct. 30, 1973. Altitude of gage is 3,180 ft (969 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1973	--	2.12	88
1974	June 8, 1974	1.75	68
1975	Mar. 3, 1975	3.38	171
1976	June 11, 1976	(e)	10
1977	June 15, 1977	1.34	42
1978	May 18, 1978	1.67	60

06294930 Sarpy Creek tributary near Colstrip, MT

Location.--Lat $45^{\circ}54'54''$, long $107^{\circ}07'57''$, Hydrologic Unit 10100001, in SW1/4 SW1/4 sec.16, T.2 N., R.37 E., Treasure County, at culvert on county road, 0.1 mi (0.2 km) north of the Treasure and Big Horn County line, 25 mi (40 km) west of Colstrip.

Drainage area.-- 4.44 mi^2 (11.5 km^2).

Records available.--October 1972 to current year.

Gage.--Crest-stage gage installed Oct. 30, 1973. Altitude of gage is 3,120 ft (951 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1972	--	4.33	194
1973	--	1.27	6
1974	--	--	(c)
1975	Jan. 20, 1975	2.91	27
1976	June 7, 1976	1.29	7
1977	Apr. 8, 1977	3.48	32
1978	Mar. 18, 1978	4.84	590

06294960 Anderson Creek at Vananda, MT

Location.--Lat $46^{\circ}23'35''$, long $107^{\circ}00'27''$, Hydrologic Unit 10100002, in SE1/4 NE1/4 sec.6, T.7 N., R.38 E., Rosebud County, at bridge on U.S. Highway 12, at Vananda.

Drainage area.-- 5.71 mi^2 (14.8 km^2).

Records available.--September 1973 to current year.

Gage.--Crest-stage gage installed Sept. 4, 1973. Altitude of gage is 2,690 ft (820 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1973	--	2.44	130
1974	June 21, 1974	1.83	69
1975	July 31, 1975	4.13	420
1976	Feb. 24, 1976	1.78	65
1977	May 15, 1977	1.50	45
1978	May 18, 1978	2.35	120

06294985 East Fork Armells Creek tributary near Colstrip, MT

Location.--Lat $46^{\circ}04'01''$, long $106^{\circ}42'39''$, Hydrologic Unit 10100001, in SE1/4 SE1/4 sec.26, T.4 N., R.40 E., Rosebud County, on bridge on State Highway 315, 13 mi (21 km) north of Colstrip.

Drainage area.-- 1.87 mi^2 (4.84 km^2).

Records available.--October 1973 to current year.

Gage.--Crest-stage gage installed Oct. 31, 1973. Altitude of gage is 2,860 ft (872 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1973	--	2.15	2
1974	July 3, 1974	2.48	5
1975	Jan. 21, 1975	2.72	50
1976	July 2, 1976	2.45	5
1977	Aug. 31, 1977	3.55	15
1978	Aug. 22, 1978	4.61	88

06295020 Short Creek near Forsyth, MT

Location.--Lat $46^{\circ}17'44''$, long $106^{\circ}40'05''$, Hydrologic Unit 10100001, in NW1/4 sec.12, T.6 N., R.40 E., Rosebud County, at bridge on county road, 2.4 mi (3.9 km) northeast of U.S. Highway 12, and 2 mi (3.2 km) north of Forsyth.

Drainage area.-- 3.23 mi^2 (8.37 km^2).

Records available.--June 1962 to current year.

Gage.--Crest-stage gage installed Apr. 27, 1963. Altitude of gage is 2,550 ft (777 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1962	^d June 15, 1962	4.84	406
1963	June 19, 1963	1.30	20
1964	Aug. 29, 1964	1.67	35
1965	July 12, 1965	6.64	938
1966	June 4, 1966	6.20	790
1967	March 1967	2.71	105
1968	March 1968	^b 4.23	^a 100
1969	Mar. 18, 1969	^b 3.50	^a 100
1970	June 12, 1970	1.85	45
1971	Aug. 30, 1971	6.55	910
1972	Oct. 18, 1971	2.10	60
1973	June 18, 1973	5.26	500
1974	Jan. 15, 1974	3.72	210
1975	June 19, 1975	5.20	490
1976	Apr. 5, 1976	.82	1
1977	Aug. 30, 1977	1.96	50
1978	Sept. 13, 1978	2.11	60

06296115 Reservation Creek near Miles City, MT

Location.--Lat $46^{\circ}22'38''$, long $105^{\circ}58'21''$, Hydrologic Unit 10100001, in SE1/4 NE1/4 sec.9, T.7 N., R.46 E., Custer County, at bridge on county road No. 446, 6.5 mi (10.5 km) southwest of Miles City.

Drainage area.-- 6.29 mi^2 (16.3 km^2).

Records available.--August 1973 to current year.

Gage.--Crest-stage gage installed Aug. 24, 1973. Altitude of gage is 2,440 ft (744 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1973	--	10.57	1,340
1974	May 28, 1974	1.19	55
1975	May 6, 1975	6.40	560
1976	July 8, 1976	4.12	250
1977	Feb. 11, 1977	.47	24
1978	May 18, 1978	3.88	280

06306900 Spring Creek near Decker, MT

Location.--Lat 45°05'09", long 106°50'12", Hydrologic Unit 10090101, in SW1/4 NW1/4 SE1/4 sec.33, T.8 S., R.40 E., Big Horn County, at bridge on county road, 5 mi (8.0 km) north of Decker.

Drainage area.--34.7 mi² (89.9 km²).

Records available.--May 1958 to current year.

Gage.--Crest-stage gage installed May 9, 1958. Altitude of gage is 3,500 ft (1,070 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft ³ /s)
1958	June 7, 1958	3.4	184
1959	Mar. 17, 1959	1.19	45
1960	Mar. 19, 1960	1.31	49
1961	--	--	(c)
1962	June 16, 1962	6.59	a 900
1963	June 15, 1963	1.07	40
1964	Apr. 22, 1964	.05	15
1965	Aug. 21, 1965	2.61	362
1966	Sept. 26, 1966	.11	a 15
1967	June 12, 1967	2.81	390
1968	June 9, 1968	.72	130
1969	Mar. 18, 1969	1.82	250
1970	May 14, 1970	1.35	195
1971	Feb. 14, 1971	6.50	1,400
1972	Feb. 28, 1972	2.90	420
1973	Sept. 1, 1973	.26	a 20
1974	Mar. 28, 1974	1.31	40
1975	Mar. 3, 1975	3.89	355
1976	Feb. 22, 1976	.34	20
1977	June 10, 1977	5.27	530
1978	May 18, 1978	2.79	225

06306950 Leaf Rock Creek near Kirby, MT

Location.--Lat 45°11'16", long 106°54'50", Hydrologic Unit 10090101, in center of sec.35, T.7 S., R.39 E., Big Horn County, at culvert on county road, 10 mi (16.1 km) south of Kirby,

Drainage area.--6.14 mi² (15.9 km²).

Records available.--April 1959 to current year.

Gage.--Crest-stage gage installed Apr. 15, 1959. Altitude of gage is 3,950 ft (1,200 m), from topographic map.

06306950 Leaf Rock Creek near Kirby, MT--Continued

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1958	d June 7, 1958	6.77	222
1959	--	--	Unknown
1960	Mar. 19, 1960	5.03	168
1961	--	--	(c)
1962	June 16, 1962	6.37	216
1963	June 15, 1963	6.77	222
1964	Apr. 6, 1964	1.17	30
1965	Apr. 1, 1965	1.62	45
1966	July 12, 1966	3.42	123
1967	June 7, 1967	.55	13
1968	March 1968	--	a .5
1969	July 15, 1969	5.53	182
1970	May 4, 1970	1.11	28
1971	Feb. 14, 1971	1.49	40
1972	Feb. 28, 1972	--	a 40
1973	Mar. 1, 1973	b .65	a .5
1974	Jan. 15, 1974	--	a 2
1975	Mar. 19, 1975	2.03	58
1976	--	--	(c)
1977	June 10, 1977	1.40	38
1978	Mar. 20, 1978	1.34	37

06307520 Canyon Creek near Birney, MT

Location.--Lat 45°14'28", long 106°40'32", Hydrologic Unit 10090101, in SW1/4 sec.11, T.7 S., R.41 E., Rosebud County, on county bridge, 11 mi (18 km) southwest of Birney.

Drainage area.--50.2 mi² (130 km²).

Records available.--1972, April 1973 to current year.

Gage.--Crest-stage gage installed Apr. 14, 1973. Altitude of gage is 3,230 ft (985 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1972	--	1.05	41
1973	--	-.34	4
1974	Feb. 16, 1974	.25	11
1975	June 18, 1975	1.76	100
1976	June 14, 1976	2.28	182
1977	June 10, 1977	.07	7
1978	May 18, 1978	.93	20

06307620 Tie Creek near Birney, MT

Location.--Lat $45^{\circ}28'21''$, long $106^{\circ}31'33''$, Hydrologic Unit 10090102, in SW1/4 SE1/4 sec.22, T.4 S., R.42 E., Rosebud County, at bridge on State Highway 315, and 11 mi (18 km) north of Birney.

Drainage area.-- 18.7 mi^2 (48.4 km^2).

Records available.--October 1973 to current year.

Gage.--Crest-stage gage installed Oct. 31, 1973. Altitude of gage is 3,470 ft (1,060 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft^3/s)</u>
1973	--	--	(c)
1974	Feb. 16, 1974	1.53	9
1975	Mar. 3, 1975	b 2.36	a 9
1976	Mar. 11, 1976	1.29	5
1977	July 6, 1977	1.31	6
1978	Mar. 27, 1978	1.62	11

06307700 Cow Creek near Fort Howes ranger station, near Otter, MT

Location.--Lat $45^{\circ}17'20''$, long $106^{\circ}09'14''$, Hydrologic Unit 10090102, in SW1/4 NW1/4 sec.30, T.6 S., R.46 E., Powder River County, at bridge on county road, 0.8 mi (1.3 km) south of Fort Howes ranger station, and 6.6 mi (10.6 km) north of Otter Creek Post Office.

Drainage area.-- 8.37 mi^2 (21.7 km^2).

Records available.--1972, August 1973 to current year.

Gage.--Crest-stage gage installed Aug. 21, 1973. Altitude of gage is 3,290 ft (1,003 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft^3/s)</u>
1972	--	2.39	43
1973	--	1.43	2
1974	July 3, 1974	1.78	20
1975	Apr. 14, 1975	2.00	16
1976	June 23, 1976	1.54	6
1977	July 10, 1977	2.17	20
1978	May 31, 1978	1.70	9

06307720 Brian Creek near Ashland, MT

Location.--Lat $45^{\circ}24'37''$, long $106^{\circ}09'07''$, Hydrologic Unit 10090102, in SW1/4 SW1/4 sec.11, T.5 S., R.45 E., Powder River County, at culvert on county road, 8.1 mi (13.0 km) north of Fort Howes ranger station, and 13.5 mi (22 km) south of Ashland.

Drainage area.--8.03 mi² (20.8 km²).

Records available.--August 1973 to current year.

Gage.--Crest-stage gage installed Aug. 20, 1973. Altitude of gage is 3,140 ft (957 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1973	--	--	(c)
1974	--	--	(c)
1975	Mar. 1, 1975	3.75	93
1976	Sept. 15, 1976	(e)	1
1977	Mar. 29, 1977	.37	1
1978	Mar. 19, 1978	2.79	50

06307780 Stebbins Creek at mouth, near Ashland, MT

Location.--Lat $45^{\circ}38'27''$, long $106^{\circ}17'34''$, Hydrologic Unit 10090102, in NW1/4 sec.27, T.2 S., R.44 E., Rosebud County, at bridge on county road along west side of Tongue River, 3.6 road mi (5.8 km) north of U.S. Highway 212, 3.5 mi (5.6 km) northwest of Ashland.

Drainage area.--19.9 mi² (51.5 km²).

Records available.--April 1963 to current year.

Gage.--Crest-stage gage installed Apr. 24, 1963. Altitude of gage is 2,950 ft (899 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1963	June 15, 1963	2.44	75
1964	June 18, 1964	3.40	210
1965	Aug. 23, 1965	3.56	248
1966	Mar. 12, 1966	b1.85	a15
1967	July 7, 1967	2.44	75
1968	Aug. 23, 1968	2.80	110
1969	Mar. 19, 1969	4.45	570
1970	May 8, 1970	2.20	50
1971	Feb. 17, 1971	1.94	30
1972	Aug. 2, 1972	4.76	508
1973	Apr. 2, 1973	1.37	5
1974	Feb. 16, 1974	1.39	7
1975	Jan. 20, 1975	3.37	210
1976	Sept. 7, 1976	1.64	18
1977	July 10, 1977	4.40	550
1978	Mar. 19, 1978	3.72	292

06307930 Jack Creek near Volborg, MT

Location.--Lat $46^{\circ}04'55''$, long $105^{\circ}51'08''$, Hydrologic Unit 10090102, in NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.26, T.4 N., R.47 E., Custer County, at bridge on State Highway 332, 19 mi (31 km) northwest of Volborg.

Drainage area.-- 5.47 mi^2 (14.2 km^2).

Records available.--October 1973 to current year.

Gage.--Crest-stage gage installed Oct. 31, 1973. Altitude of gage is 2,630 ft (802 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1973	--	--	225
1974	June 21, 1974	2.60	220
1975	May 5, 1975	4.56	271
1976	June 15, 1976	2.82	225
1977	Aug. 27, 1977	3.98	260
1978	May 18, 1978	5.62	448

06308100 Sixmile Creek tributary near Epsie, MT

Location.--Lat $45^{\circ}31'27''$, long $105^{\circ}45'10''$, Hydrologic Unit 10090102, in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.36, T.3 S., R.48 E., Powder River County, at culvert on U.S. Highway 212, and 5.2 mi (8.4 km) northwest of Epsie.

Drainage area.-- 0.24 mi^2 (0.62 km^2).

Records available.--1972, August 1973 to current year. Highwater mark at undetermined date prior to installation of gage.

Gage.--Crest-stage gage installed Aug. 21, 1973. Altitude of gage is 3,480 ft (1,061 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1972	--	7.82	Not determined
1973	June 18, 1973	3.18	74
1974	Apr. 20, 1974	3.13	70
1975	Mar. 3, 1975	b2.50	5
1976	Jan. 18, 1976	2.05	2
1977	Mar. 29, 1977	1.68	1
1978	May 18, 1978	4.30	73

06308200 Basin Creek tributary near Volborg, MT

Location.--Lat $45^{\circ}53'11''$, long $105^{\circ}41'12''$, Hydrologic Unit 10090102, in NW1/4 sec.31, T.2 N., R.49 E., Custer County, at culvert on county road, 3.5 mi (5.6 km) north of Volborg.

Drainage area.--0.14 mi² (0.36 km²).

Records available.--July 1955 to current year.

Gage.--Crest-stage gage installed July 23, 1955. Altitude of gage is 2,900 ft (884 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1955	July 29, 1955	0.24	20
1956	--	--	(c)
1957	--	--	(c)
1958	July 2, 1958	6.96	390
1959	March 1959	--	a2
1960	Mar. 21, 1960	.97	12
1961	--	--	(c)
1962	June 17, 1962	2.76	36
1963	June 22, 1963	9.38	94
1964	June 18, 1964	1.07	14
1965	Apr. 1, 1965	1.41	18
1966	July 29, 1966	3.11	41
1967	June 14, 1967	8.10	85
1968	June 20, 1968	1.93	24
1969	May 21, 1969	1.06	13
1970	March 1970	1.15	14
1971	June 16, 1971	2.37	29
1972	Mar. 6, 1972	b 5.79	a5
1973	--	--	(c)
1974	--	--	(c)
1975	May 5, 1975	.83	10
1976	Feb. 1, 1976	1.13	14
1977	Jan. 19, 1977	1.53	18
1978	Mar. 19, 1978	1.46	18

06308330 Deer Creek tributary near Volborg, MT

Location.--Lat $46^{\circ}02'04''$, long $105^{\circ}31'15''$, Hydrologic Unit 10090102, in extreme southwest corner of sec.4, T.3 N., R.50 E., Custer County, at culvert on county road, 3 mi (5 km) east of U.S. Highway 312, and 16 mi (26 km) northeast of Volborg.

Drainage area.-- 1.65 mi^2 (4.27 km^2).

Records available.--November 1973 to current year.

Gage.--Crest-stage gage installed Nov. 1, 1973. Altitude of gage is 2,780 ft (847 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1973	--	11.55	1,170
1974	May 30, 1974	2.90	32
1975	May 5, 1975	5.15	111
1976	June 7, 1976	4.80	96
1977	Mar. 27, 1977	2.29	18
1978	May 18, 1978	4.26	75

06308340 La Grange Creek near Volborg, MT

Location.--Lat $46^{\circ}06'17''$, long $105^{\circ}33'20''$, Hydrologic Unit 10090102, in NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.18, T.4 N., R.50 E., Custer County, at culvert near mile post 27 on U.S. Highway 312, and 19 mi (31 km) north of Volborg.

Drainage area.-- 3.66 mi^2 (9.48 km^2).

Records available.--August 1973 to current year.

Gage.--Crest-stage gages installed Aug. 23, 1973. Altitude of gages are 2,660 ft (811 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1973	Sept. 3, 1973	3.40	79
1974	May 6, 1974	2.33	37
1975	May 6, 1975	7.62	378
1976	May 5, 1976	2.15	28
1977	Mar. 29, 1977	1.62	15
1978	May 18, 1978	5.17	182

06309060 North Sunday Creek tributary No. 2 near Angela, MT

Location.--Lat $46^{\circ}34'00''$, long $106^{\circ}03'51''$, Hydrologic Unit 10100001, in NE1/4 sec.4, T.9 N., R.45 E., Custer County, at culvert on State Highway 22, 14.1 road mi (22.7 km) northwest of Yellowstone River bridge at Miles City, 15 mi (24.1 km) northwest of Miles City, and 13 mi (20.9 km) southeast of Angela.

Drainage area.--0.34 mi² (0.88 km²).

Records available.--June 1962 to current year.

Gage.--Crest-stage gage installed May 17, 1963. Altitude of gage is 2,680 ft (817 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft ³ /s)
1962	^d June 1, 1962	2.42	45
1963	June 3, 1963	5.20	158
1964	June 18, 1964	1.47	19
1965	July 11, 1965	4.89	144
1966	Mar. 19, 1966	4.56	130
1967	June 13, 1967	2.77	56
1968	June 9, 1968	1.76	26
1969	July 7, 1969	7.94	320
1970	July 17, 1970	1.75	26
1971	Mar. 31, 1971	2.00	32
1972	Mar. 15, 1972	^b 5.17	29
1973	Apr. 20, 1973	1.48	20
1974	May 20, 1974	2.96	60
1975	Aug. 14, 1975	3.31	74
1976	July 10, 1976	1.93	30
1977	June 14, 1977	^b 1.14	^a 3
1978	May 18, 1978	2.83	58

06309078 Tree Coulee near Kinsey, MT

Location.--Lat $46^{\circ}33'17''$, long $105^{\circ}47'48''$, Hydrologic Unit 10100001, in NE1/4 NW1/4 sec.10, T.9 N., R.47 E., Custer County, at culvert on county road, 5.3 mi (8.5 km) north of road to Kinsey, 6.5 mi (10.5 km) west of Kinsey, and 10.9 mi (18 km) northeast of State Highway at Miles City.

Drainage area.--4.13 mi² (10.7 km²).

Records available.--1972, August 1974 to current year.

Gage.--Crest-stage gage installed Aug. 16, 1974. Altitude of gage is 2,425 ft (739 m), from topographic map.

06309078 Tree Coulee near Kinsey, MT--Continued

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1972	--	8.73	1,630
1973	--	2.29	12
1974	May 6, 1975	8.27	1,040
1975	June 14, 1976	6.85	300
1977	Sept. 30, 1977	3.11	30
1978	May 19, 1978	8.04	860

06309080 Deep Creek near Kinsey, MT

Location.--Lat 46°33'25", long 105°37'12", Hydrologic Unit 10100001, in SE1/4 SE1/4 sec.1, T.9 N., R.48 E., Custer County, at culvert on Interstate Highway 94 and U.S. Highway 10, 3.1 mi (5.0 km) southwest of Shirley railroad station, 2 mi (3.2 km) southeast of Kinsey, and 13 mi (20.9 km) northeast of Miles City.

Drainage area.--11.5 mi² (29.8 km²).

Records available.--July 1962 to current year.

Gage.--Crest-stage gage installed May 16, 1963. Altitude of gage is 2,320 ft (707 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1962	^d July 14, 1962	7.80	828
1963	June 5, 1963	16.77	2,420
1964	Aug. 29, 1964	13.83	1,830
1965	July 11, 1965	10.79	1,300
1966	June 3, 1966	3.61	260
1967	June 12, 1967	3.93	300
1968	June 9, 1968	6.90	700
1969	Apr. 26, 1969	5.91	550
1970	July 14, 1970	5.89	550
1971	June 9, 1971	3.02	200
1972	June 9, 1972	16.78	2,430
1973	Apr. 20, 1973	10.70	1,300
1974	May 29, 1974	3.58	250
1975	May 5, 1975	7.45	760
1976	July 8, 1976	3.68	250
1977	Feb. 18, 1977	(e)	1
1978	Mar. 21, 1978	6.48	650

06324700 Sand Creek near Broadus, MT

Location.--Lat $45^{\circ}25'48''$, long $105^{\circ}26'28''$, Hydrologic Unit 10090207, in SE1/4 sec.5, T.5 S., R.51 E., Powder River County, at culverts on Moorhead road, 1.8 mi (2.9 km) southwest of Broadus.

Drainage area.-- 10.6 mi^2 (27.5 km^2).

Records available.--July 1955 to current year.

Gage.--Crest-stage gage installed July 22, 1955. Altitude of gage is 3,090 ft (942 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1955	--	--	(c)
1956	Mar. 16, 1956	1.75	19
1957	Aug. 28, 1957	1.55	15
1958	June 7, 1958	3.95	93
1959	Mar. 18, 1959	4.78	252
1960	Mar. 20, 1960	b 4.79	a 150
1961	--	--	(c)
1962	June 11, 1962	2.85	50
1963	Feb. 5, 1963	2.00	23
1964	June 8, 1964	1.58	13
1965	Apr. 1, 1965	2.96	53
1966	July 29, 1966	1.27	7
1967	June 14, 1967	1.50	12
1968	Feb. 29, 1968	b 1.96	a 5
1969	Mar. 17, 1969	--	a 120
1970	June 12, 1970	.50	1
1971	Feb. 14, 1971	b 4.71	a 55
1972	June 9, 1972	5.39	715
1973	Sept. 2, 1973	1.03	3
1974	July 3, 1974	1.77	20
1975	Jan. 20, 1975	4.25	106
1976	Jan. 28, 1976	1.97	23
1977	June 12, 1977	2.47	32
1978	Mar. 20, 1978	b 4.46	a 80

06324995 Badger Creek at Biddle, MT

Location.--Lat $45^{\circ}05'46''$, long $105^{\circ}20'17''$, Hydrologic Unit 10090208, in SW1/4 NW1/4 sec.34, T.8 S., R.52 E., Powder River County, at culvert on State Highway 59, 0.2 mi (0.3 km) south of Biddle.

Drainage area.-- 6.06 mi^2 (15.7 km^2).

Records available.--1972, August 1973 to current year.

Gage.--Crest-stage gage installed Aug. 21, 1973. Altitude of gage is 3,310 ft (1,010 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1972	--	4.89	185
1973	--	.73	8
1974	--	--	(c)
1975	Jan. 23, 1975	1.80	34
1976	June 23, 1976	7.97	414
1977	Sept. 30, 1977	1.43	19
1978	Mar. 20, 1978	2.98	75

06325400 East Fork Little Powder River tributary near Hammond, MT

Location.--Lat $45^{\circ}18'04''$, long $105^{\circ}05'50''$, Hydrologic Unit 10090208, in NW1/4 SE1/4 sec.22, T.6 S., R.54 E., Powder River County, at culvert on State Highway 212, 4.0 mi (6.4 km) northwest of Boyes, 10 mi (16 km) northwest of Hammond, 18 mi (29 km) southeast of Broadus.

Drainage area.-- 3.45 mi^2 (8.94 km^2).

Records available.--August 1974 to current year.

Gage.--Crest-stage gage installed Aug. 18, 1974. Altitude of gage is 3,250 ft (991 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1974	--	4.19	51
1975	Mar. 5, 1975	b 6.31	2
1976	June 23, 1976	6.18	155
1977	June 12, 1977	5.38	35
1978	June 25, 1978	7.03	140

06325700 Powder River tributary near Powderville, MT

Location.--Lat $45^{\circ}48'46''$, long $105^{\circ}03'51''$, Hydrologic Unit 10090209, in NE1/4 NE1/4 sec.25, T.1 N., R.53 E., Custer County, at culvert on county road, 2 mi (3.0 km) north of Custer-Powder River county line and 4.5 mi (7.2 km) north of Powderville.

Drainage area.-- 3.20 mi^2 (8.29 km^2).

Records available.--November 1973 to current year.

Gage.--Crest-stage gage installed Nov. 1, 1973. Altitude of gage is 2,850 ft (869 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1973	--	16.91	480
1974	July 3, 1974	3.22	52
1975	May 5, 1975	5.57	180
1976	June 14, 1976	3.30	55
1977	June 8, 1977	3.87	76
1978	Oct. 7, 1978	2.90	40

06325950 Cut Coulee near Mizpah, MT

Location.--Lat $46^{\circ}08'38''$, long $105^{\circ}10'05''$, Hydrologic Unit 10090209, in NE1/4 SW1/4 sec.36, T.5 N., R.52 E., Custer County, at culvert on county road, 8.5 mi (13.7 km) southeast of Mizpah.

Drainage area.-- 2.23 mi^2 (5.77 km^2).

Records available.--November 1973 to current year.

Gage.--Crest-stage gage installed Nov. 1, 1973. Altitude of gage is 2,670 ft (814 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1973	--	7.95	252
1974	May 30, 1974	4.77	125
1975	May 3, 1975	8.45	272
1976	Sept.14, 1976	4.18	105
1977	Aug. 6, 1977	3.92	92
1978	May 18, 1978	4.17	103

06326510 Locate Creek tributary near Locate, MT

Location.--Lat $46^{\circ}25'52''$, long $105^{\circ}10'51''$, Hydrologic Unit 10090209, in SW1/4 SE1/4 sec.23, T.8 N., R.52 E., Custer County, at culvert on U.S. Highway 12, 5.5 mi (8.9 km) east of Locate, 6.4 road mi (10.3 km) east of Locate and 6.5 mi (10.5 km) east of Powder River bridge.

Drainage area.-- 0.91 mi^2 (2.36 km^2).

Records available.--1973, May 1974 to current year.

Gage.--Crest-stage gage installed Aug. 16, 1974. Altitude of gage is 2,660 ft (811 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1973	--	2.41	22
1974	d May 30, 1974	1.47	8
1975	May 5, 1975	2.90	31
1976	Aug. 5, 1976	5.31	103
1977	Feb. 16, 1977	.80	1
1978	July 19, 1978	6.00	130

06326550 Cherry Creek tributary near Terry, MT

Location.--Lat $46^{\circ}51'18''$, long $105^{\circ}20'26''$, Hydrologic Unit 10100004, in NE1/4 SW1/4 sec.25, T.13 N., R.50 E., Prairie County, on bridge on abandoned part of State Highway 253, 4.8 mi (7.7 km) north of Terry.

Drainage area.-- 2.52 mi^2 (6.53 km^2).

Records available.--September 1973 to current year.

Gage.--Crest-stage gage installed Sept. 6, 1973. Altitude of gage is 2,340 ft (713 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1973	--	3.05	72
1974	May 28, 1974	2.49	10
1975	May 6, 1975	3.05	72
1976	Aug. 4, 1976	3.27	81
1977	Sept. 2, 1977	2.61	53
1978	May 30, 1978	4.97	466

06326580 Lame Jones Creek tributary near Willard, MT

Location.--Lat $46^{\circ}11'40''$, long $104^{\circ}33'05''$, Hydrologic Unit 10100005, in SE1/4 SE1/4 sec.11, T.5 N., R.57 E., Fallon County, at culvert on county road, 8.8 mi (14.2 km) west of Willard, 1.1 mi (1.8 km) east of Lame Jones School.

Drainage area.-- 0.49 mi^2 (1.27 km^2).

Records available.--August 1974 to current year.

Gage.--Crest-stage gage installed Aug. 18, 1974. Altitude of gage is 2,825 ft (861 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1974	--	4.76	28
1975	Mar. 6, 1975	(e)	1
1976	--	--	(c)
1977	--	--	(c)
1978	Mar. 26, 1978	1.54	4

06326600 O'Fallon Creek near Ismay, MT

Location.--Lat $46^{\circ}25'17''$, long $104^{\circ}45'40''$, Hydrologic Unit 10100005, near center of east edge of sec.30, T.8 N., R.56 E., Fallon County, at bridge on U.S. Highway 12, 11.5 mi (18.5 km) west of Plevna, 1 mi (1.6 km) east of road to Ismay, and 6.5 mi (10.5 km) southeast of Ismay.

Drainage area.-- 669 mi^2 ($1,733 \text{ km}^2$).

Records available.--July 1962 to current year.

Gage.--Crest-stage gage installed Apr. 26, 1963. Altitude of gage is 2,590 ft (789 m), from topographic map.

06326600 O'Fallon Creek near Ismay, MT--Continued

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1962	July 14, 1962	7.23	2,480
1963	June 7, 1963	4.12	950
1964	June 18, 1964	4.20	980
1965	July 12, 1965	7.27	2,500
1966	July 26, 1966	5.07	1,370
1967	June 6, 1967	5.62	1,640
1968	Aug. 23, 1968	1.71	240
1969	Mar. 20, 1969	7.12	2,440
1970	May 8, 1970	2.61	440
1971	Mar. 13, 1971	5.19	1,425
1972	Mar. 6, 1972	8.87	4,100
1973	Sept. 2, 1973	4.36	1,100
1974	May 30, 1974	3.61	750
1975	May 6, 1975	3.86	850
1976	July 3, 1976	9.50	4,700
1977	Apr. 10, 1977	1.20	75
1978	Mar. 22, 1978	b 8.19	a 3,100

06326800 Pennel Creek near Baker, MT

Location.--Lat 46°29'57", long 104°14'17", Hydrologic Unit 10100005, in center of south edge of sec.36, T.9 N., R.59 E., Fallon County, at culvert on State Highway 7, 7.8 mi (12.6 km) north of U.S. Highway 12 in Baker, and 8 mi (12.9 km) north of Baker.

Drainage area.--1.00 mi² (2.59 km²).

Records available.--July 1962 to current year.

Gage.--Crest-stage gage installed Apr. 25, 1963. Altitude of gage is 3,090 ft (942 m), from topographic map.

06326800 Pennel Creek near Baker, MT--Continued

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1962	d July 7, 1962	6.0	240
1963	June 5, 1963	8.51	350
1964	June 18, 1964	1.94	85
1965	Apr. 9, 1965	1.98	88
1966	June 4, 1966	2.28	97
1967	June 14, 1967	1.94	40
1968	Aug. 23, 1968	1.45	30
1969	June 27, 1969	1.60	35
1970	July 14, 1970	2.10	50
1971	Apr. 6, 1971	2.90	45
1972	June 24, 1972	2.35	30
1973	Sept. 2, 1973	2.28	27
1974	May 30, 1974	2.10	25
1975	May 6, 1975	2.61	38
1976	July 3, 1976	2.39	33
1977	Sept. 7, 1977	2.41	33
1978	May 7, 1978	2.83	45

06326940 Spring Creek tributary near Fallon, MT

Location.--Lat 46°48'06", long 104°59'25", Hydrologic Unit 10100004, in NE1/4 NE1/4 sec.13, T.12 N., R.53 E., Prairie County, at culvert on county road, 6.8 mi (10.9 km) southeast of Fallon.

Drainage area.--3.10 mi² (8.03 km²).

Records available.--1972, September 1973 to current year.

Gage.--Crest-stage gage installed Sept. 6, 1973. Altitude of gage is 2,470 ft (753 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1972	--	8.93	303
1973	--	3.06	40
1974	--	--	(c)
1975	May 6, 1975	1.63	6.5
1976	July 3, 1976	5.15	125
1977	June 14, 1977	2.83	34
1978	Mar. 21, 1978	b 5.26	a 20

06326950 Yellowstone River tributary No. 5 near Marsh, MT

Location.--Lat $46^{\circ}57'11''$, long $104^{\circ}53'53''$, Hydrologic Unit 10100004, in SW1/4 sec.21, T.14 N., R.54 E., Dawson County, at culvert on Interstate Highway 94 and U.S. Highway 10, 2.4 mi (3.9 km) northeast of Cracker Box Creek, 2.5 mi (4.0 km) southwest of Clear Creek, and 5 mi (8.0 km) northeast of Marsh.

Drainage area.--0.87 mi² (2.25 km²).

Records available.--July 1962 to current year.

Gage.--Crest-stage gage installed May 17, 1963. Altitude of gage is 2,300 ft (701 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft ³ /s)
1962	^d July 14, 1962	2.97	127
1963	June 6, 1963	1.40	12
1964	June 8, 1964	.70	2
1965	Apr. 1, 1965	^b 2.81	^a 10
1966	June 4, 1966	1.68	^a 20
1967	May 13, 1967	.66	2
1968	--	--	(c)
1969	Mar. 18, 1969	^b 3.31	^a 30
1970	--	--	(c)
1971	Mar. 31, 1971	1.92	34
1972	Mar. 11, 1972	^b 2.90	15
1973	--	--	Unknown
1974	July 3, 1974	9.64	267
1975	May 6, 1975	2.57	36
1976	Feb. 17, 1976	2.51	35
1977	June 14, 1977	7.92	202
1978	Mar. 21, 1978	^b 4.67	^a 50

06326960 Timber Fork Creek tributary near Lindsay, MT

Location.--Lat $47^{\circ}10'55''$, long $105^{\circ}10'16''$, Hydrologic Unit 10100004, in SW1/4 SW1/4 sec.36, T.17 N., R.51 E., Dawson County, at culvert on county road, 3.3 mi (5.3 km) southwest of Lindsay.

Drainage area.--1.23 mi² (3.19 km²).

Records available.--June 1974 to current year.

Gage.--Crest-stage gage installed June 28, 1974. Altitude of gage is 2,725 ft (830 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft ³ /s)
1974	--	0.96	2
1975	May 6, 1975	1.70	13
1976	Mar. 18, 1976	1.24	6
1977	Apr. 7, 1977	1.38	1
1978	Mar. 25, 1978	2.72	35

06327550 South Fork Horse Creek tributary near Wibaux, MT

Location.--Lat $46^{\circ}48'09''$, long $104^{\circ}22'55''$, Hydrologic Unit 10100004, in SW1/4 SE1/4 sec.11, T.12 N., R.58 E., Wibaux County, at culvert on county road, 7.5 mi (12.1 km) west of State Highway 7, 16.0 mi (25.7 km) southwest of Wibaux.

Drainage area.-- 1.73 mi^2 (4.48 km^2).

Records available.--1973, August 1974 to current year.

Gage.--Crest-stage gage installed Aug. 17, 1974. Altitude of gage is 2,825 ft (861 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1973	--	6.23	169
1974	--	--	(c)
1975	Mar. 20, 1975	2.90	36
1976	Apr. 16, 1976	3.62	63
1977	--	--	(c)
1978	July 4, 1978	3.66	65

06327720 Griffith Creek tributary near Glendive, MT

Location.--Lat $47^{\circ}06'20''$, long $104^{\circ}35'48''$, Hydrologic Unit 10100004, in NW1/4 sec.35, T.16 N., R.56 E., Dawson County, at culvert on U.S. Interstate Highway 94, 0.5 mi (0.8 km) east of Glendive.

Drainage area.-- 3.48 mi^2 (9.01 km^2).

Records available.--1965, June 1974 to current year.

Gage.--Crest-stage gage installed June 27, 1974. Altitude of gage is 2,180 ft (664 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1965	--	15.28	1,070
1974	Aug. 8, 1974	1.57	2
1975	May 6, 1975	2.70	17
1976	July 2, 1976	6.01	190
1977	Sept. 8, 1977	1.70	3
1978	Mar. 22, 1978	3.08	27

06327790 Krug Creek tributary No. 2 near Wibaux, MT

Location.--Lat 47°00'23", long 104°18'13", Hydrologic Unit 10100004, in NW1/4 NW1/4 sec.6, T.14 N., R.59 E., Wibaux County, at culvert on county road, at Interstate Highway 94 interchange, 5.5 mi (8.9 km) west of Wibaux.

Drainage area.--0.49 mi² (1.27 km²).

Records available.--August 1974 to current year.

Gage.--Crest-stage gage installed Aug. 17, 1974. Altitude of gage is 2,825 ft (861 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft ³ /s)
1974	--	0.86	1
1975	May 6, 1975	2.03	14
1976	Feb. 9, 1976	2.18	16
1977	--	--	(c)
1978	June 29, 1978	1.98	13

06328100 Yellowstone River tributary No. 6 near Glendive, MT

Location.--Lat 47°09'26", long 104°39'14", Hydrologic Unit 10100004, in NW1/4 SW1/4 sec.8, T.16 N., R.56 E., Dawson County, at bridge on county road to Belle Prairie, and 3 mi (4.8 km) northeast of Glendive.

Drainage area.--2.93 mi² (7.59 km²).

Records available.--June 1974 to current year.

Gage.--Crest-stage gages installed June 27, 1974. Altitude of gages are 1,950 ft (594 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft ³ /s)
1974	Aug. 8, 1974	1.35	9
1975	Apr. 14, 1975	1.18	3
1976	June 7, 1976	2.03	135
1977	Sept. 8, 1977	.97	1
1978	Mar. 25, 1978	1.19	4

06328400 Thirteenmile Creek tributary near Bloomfield, MT

Location.--Lat $47^{\circ}24'46''$, long $104^{\circ}49'58''$, Hydrologic Unit 10100004, in SE1/4
SE1/4 sec.9, T.19 N., R.54 E., Dawson County, at culvert on county road,
3.9 mi (6.3 km) east of Bloomfield.

Drainage area.-- 0.67 mi^2 (1.74 km^2).

Records available.--1972, August 1974 to current year.

Gage.--Crest-stage gage installed Aug. 18, 1974. Altitude of gage is 2,525
ft (770 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1972	--	4.70	110
1974	^d Aug. 8, 1974	2.00	36
1975	Apr. 14, 1975	2.52	46
1976	July 2, 1976	3.03	59
1977	--	--	(c)
1978	--	--	(c)

06329350 Alkali Creek tributary near Sidney, MT

Location.--Lat $47^{\circ}30'34''$, long $104^{\circ}07'03''$, Hydrologic Unit 10100004, in SW1/4
NE1/4 sec.7, T.20 N., R.60 E., Richland County, at culvert on county road,
7.7 mi (12.4 km) south of O'Brien Creek, 12.8 mi (20.6 km) south of State
Highway 23, 14.8 mi (23.8 km) southeast of junction to State Highway 23 and
State Highway 16, 14.2 mi (22.8 km) southeast of Sidney.

Drainage area.-- 0.49 mi^2 (1.23 km^2).

Records available.--August 1974 to current year.

Gage.--Crest-stage installed Aug. 17, 1974. Altitude of gage is 2,260 ft
(689 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1974	^d Aug. 10, 1974	1.45	9
1975	Aug. 7, 1975	1.55	11
1976	Feb. 15, 1976	2.14	22
1977	Feb. 20, 1977	1.61	12
1978	Mar. 20, 1978	b 5.97	a 30

06329510 Fox Creek tributary near Lambert, MT

Location.--Lat 47°38'58", long 104°36'52", Hydrologic Unit 10100004, in NW1/4 SW1/4 sec.24, T.22 N., R.55 E., Richland County, at bridge on county road, 2.4 road mi (3.9 km) south of Lambert and 2.2 mi (3.5 km) south of Lambert.

Drainage area.--5.01 mi² (13.1 km²).

Records available.--1972, June 1974 to current year.

Gage.--Crest-stage gage installed Aug. 17, 1974. Altitude of gage is 2,375 ft (724 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft ³ /s)
1972	--	5.18	59
1974	June 21, 1974	2.52	2
1975	May 6, 1975	3.21	7
1976	Feb. 16, 1976	--	3
1977	June 12, 1977	2.48	1
1978	Sept. 12, 1978	7.06	390

06329570 First Hay Creek near Sidney, MT

Location.--Lat 47°50'08", long 104°16'16", Hydrologic Unit 10100004, in SE1/4 sec.16, T.24 N., R.58 E., Richland County, at bridge on State Highway 16, 4.1 road mi (6.6 km) north of "Dryland Crop and Soils Research Station" sign, and 10 mi (16.1 km) northwest of Sidney.

Drainage area.--29.1 mi² (75.4 km²).

Records available.--May 1963 to current year.

Gage.--Crest-stage gage installed May 20, 1963. Altitude of gage is 2,170 ft (661 m), from topographic map.

06329570 First Hay Creek near Sidney, MT--Continued

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1963	Aug. 23, 1963	1.02	20
1964	July 5, 1964	.90	15
1965	Apr. 8, 1965	--	^a 100
1966	March 1966	2.15	120
1967	March 1967	2.10	115
1968	Feb. 29, 1968	.70	10
1969	April 1969	1.38	45
1970	June 12, 1970	.73	10
1971	Mar. 27, 1971	2.40	160
1972	Mar. 11, 1972	2.32	325
1973	Mar. 11, 1973	.83	13
1974	May 13, 1974	.60	6
1975	Apr. 23, 1975	2.15	260
1976	June 14, 1976	2.93	700
1977	Mar. 29, 1977	.68	10
1978	Mar. 25, 1978	.54	5

06334100 Wolf Creek near Hammond, MT

Location.--Lat 45°09'53", long 104°45'20", Hydrologic Unit 10110201, in SE1/4 sec.5, T.8 S., R.57 E., Carter County, at culvert on U.S. Highway 212, 8 mi (12.9 km) southeast of Hammond.

Drainage area.--9.09 mi² (23.5 km²).

Records available.--July 1955 to current year.

Gage.--Crest-stage gage installed July 22, 1955. Altitude of gage is 3,590 ft (1,090 m), from topographic map.

06334100 Wolf Creek near Hammond, MT--Continued

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1955	dJuly 11, 1955	4.08	298
1956	Mar. 22, 1956	3.45	175
1957	Aug. 29, 1957	4.58	365
1958	June 3, 1958	5.76	550
1959	Mar. 19, 1959	3.32	154
1960	Mar. 21, 1960	5.26	485
1961	Sept. 18, 1961	2.31	30
1962	May 21, 1962	5.62	540
1963	Aug. 3, 1963	3.54	190
1964	June 22, 1964	3.85	240
1965	Aug. 22, 1965	12.38	1,170
1966	July 28, 1966	5.66	555
1967	June 14, 1967	9.94	1,100
1968	Feb. 29, 1968	b 4.02	a 260
1969	Apr. 26, 1969	4.00	270
1970	June 12, 1970	3.65	210
1971	June 11, 1971	5.83	590
1972	Mar. 5, 1972	b 3.50	a 50
1973	June 18, 1973	3.15	120
1974	Jan. 17, 1974	2.48	40
1975	Apr. 20, 1975	3.84	240
1976	June 14, 1976	5.54	535
1977	Apr. 9, 1977	4.12	285
1978	May 18, 1978	3.93	275

06334330 Little Missouri River tributary near Albion, MT

Location.--Lat 45°12'42", long 104°15'41", Hydrologic Unit 10110201, in SW1/4 NW1/4 sec.21, T.7 S., R.61 E., Carter County, at culvert on FAS Highway 270, and 1.8 mi (2.9 km) north of Albion.

Drainage area.--0.74 mi² (1.92 km²).

Records available.--1972, August 1973 to current year.

Gage.--Crest-stage gage installed Aug. 22, 1973. Altitude of gage is 3,290 ft (1,003 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1972	--	4.50	57
1973	--	1.86	8
1974	Jan. 16, 1974	1.47	4
1975	Mar. 25, 1975	2.41	15
1976	Feb. 14, 1976	1.55	2
1977	--	--	(c)
1978	Mar. 22, 1978	2.42	15

06334610 Box Elder Creek tributary near Albion, MT

Location.--Lat $45^{\circ}23'20''$, long $104^{\circ}28'38''$, Hydrologic Unit 10110202, in SE1/4 sec.19, T.5 S., R.59 E., Carter County, at culvert on State Highway 323, 17 mi (27 km) northwest of Albion.

Drainage area.-- 0.73 mi^2 (1.89 km^2).

Records available.--August 1973 to current year.

Gage.--Crest-stage gage installed Aug. 22, 1973. Altitude of gage is 3,480 ft (1,061 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1973	--	2.13	16
1974	May 20, 1974	3.30	23
1975	June 26, 1975	6.00	63
1976	June 14, 1976	4.76	50
1977	June 19, 1977	6.17	66
1978	May 20, 1978	5.84	62

06334625 Coal Creek near Mill Iron, MT

Location.--Lat $45^{\circ}54'15''$, long $104^{\circ}21'42''$, Hydrologic Unit 10110202, in NW1/4 SW1/4 sec.26, T.2 N., R.59 E., Carter County, at culvert on county road, 8 mi (13 km) northwest of Mill Iron, 8.5 mi (13.7 km) east of State Highway 7, 9.0 mi (14.5 km) east of Ekalaka.

Drainage area.-- 0.74 mi^2 (1.92 km^2).

Records available.--August 1974 to current year.

Gage.--Crest-stage gage installed Aug. 18, 1974. Altitude of gage is 3,350 ft (1,021 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1974	--	2.22	14
1975	Apr. 16, 1975	(e)	1
1976	June 23, 1976	(e)	1
1977	--	--	(c)
1978	Mar. 27, 1978	1.75	7

06334720 Soda Creek tributary near Webster, MT

Location.--Lat 46°00'34", long 104°05'30", Hydrologic Unit 10110202, in NE1/4 sec.23, T.3 N., R.61 E., Fallon County, at culvert on county road, 0.3 mi (0.5 km) south of Soda Creek, and 8 mi (12.9 km) southeast of Webster.

Drainage area.--2.22 mi² (5.75 km²).

Records available.--May 1962 to current year.

Gage.--Crest-stage gage installed Apr. 26, 1963. Altitude of gage is 3,100 ft (945 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft ³ /s)
1962	d May 22, 1962	5.19	106
1963	July 10, 1963	1.57	12
1964	Aug. 29, 1964	2.55	28
1965	July 5, 1965	1.05	7
1966	Mar. 14, 1966	1.00	9
1967	June 14, 1967	1.7	12
1968	July 17, 1968	.79	5
1969	Mar. 19, 1969	4.59	75
1970	June 12, 1970	--	^a 1
1971	June 16, 1971	2.50	30
1972	June 24, 1972	3.52	46
1973	Mar. 12, 1973	1.11	4
1974	Jan. 17, 1974	1.14	4
1975	June 26, 1975	1.45	9
1976	Feb. 26, 1976	1.36	5
1977	--	--	(c)
1978	Mar. 27, 1978	4.67	84

COLUMBIA RIVER BASIN

12300400 Cayuse Creek near Trego, MT

Location.--Lat $48^{\circ}36'33''$, long $115^{\circ}01'42''$, Hydrologic Unit 17010101, in SW1/4 SW1/4 NE1/4 sec.24, T.33 N., R.27 W., Lincoln County, at culvert on U.S. Forest Service road, 9.8 mi (15.8 km) southwest of Trego.

Drainage area.-- 5.29 mi^2 (13.7 km^2).

Records available.--1972, August 1973 to current year.

Gage.--Crest-stage gage installed Aug. 8, 1973. Altitude of gage is 3,890 ft (1,190 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1972	--	3.70	80
1973	--	2.16	30
1974	Jan. 15, 1974	2.55	187
1975	May 16, 1975	1.34	75
1976	Apr. 12, 1976	1.49	82
1977	May 14, 1977	(e)	^a 5
1978	Mar. 31, 1978	(e)	^a 15

12300800 Deep Creek near Fortine, MT

Location.--Lat $48^{\circ}45'41''$, long $114^{\circ}52'32''$, Hydrologic Unit 17010101, in SW1/4 sec.30, T.35 N., R.25 W., Lincoln County, at culvert on county road, 1.2 mi (1.9 km) east of Fortine.

Drainage area.-- 18.9 mi^2 (49.0 km^2).

Records available.--July 1959 to current year.

Gage.--Crest-stage gage installed July 1, 1959. Altitude of gage is 3,000 ft (914 m), from topographic map.

12300800 Deep Creek near Fortine, MT--Continued

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1959	--	2.8	150
1960	June 6, 1960	2.67	138
1961	May 31, 1961	2.92	161
1962	May 28, 1962	1.75	82
1963	June 22, 1963	2.26	108
1964	June 8, 1964	4.90	310
1965	May 28, 1965	3.28	180
1966	May 4, 1966	4.20	208
1967	May 24, 1967	3.06	140
1968	May 24, 1968	2.12	92
1969	May 30, 1969	3.40	160
1970	June 16, 1970	3.52	166
1971	May 4, 1971	2.70	126
1972	May 25, 1972	4.31	210
1973	May 7, 1973	2.09	95
1974	June 12, 1974	4.79	175
1975	June 16, 1975	2.34	110
1976	May 11, 1976	2.45	110
1977	May 14, 1977	1.14	55
1978	Mar. 31, 1978	3.33	175

12301993 Wolf Creek tributary near Libby, MT

Location.--Lat 48°23'52", long 114°55'05", Hydrologic Unit 17010102, in NW1/4 NE1/4 NE1/4 sec.4, T.30 N., R.26 W., Lincoln County, on right bank 9 ft (3 m) from Burlington Northern railroad culvert, 0.3 mi (0.5 km) from mouth, 28.8 mi (46.3 km) east of Libby.

Drainage area.--2.76 mi² (7.15 km²).

Records available.--September 1973 to current year.

Gage.--Crest-stage gage installed Sept. 11, 1973. Altitude of gage is 3,240 ft (988 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1974	Apr. 25, 1974	0.82	19
1975	May 12, 1975	.42	15
1976	Apr. 12, 1976	.54	13
1977	May 14, 1977	(e)	2
1978	Mar. 31, 1978	.39	8

12301997 Richards Creek near Libby, MT

Location.--Lat $48^{\circ}15'31''$, long $115^{\circ}11'57''$, Hydrologic Unit 17010102, in SE $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.20, T.29 N., R.28 W., Lincoln County, at bridge on county road, 0.1 mi (0.2 km) upstream from mouth, 18.5 mi (30 km) south-east of Libby.

Drainage area.--9.50 mi² (24.6 km²).

Records available.--September 1973 to current year.

Gage.--Crest-stage gage installed Sept. 11, 1973. Altitude of gage is 2,720 ft (829 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft ³ /s)
1973	--	0.31	5
1974	Apr. 26, 1974	1.11	49
1975	May 14, 1975	.95	36
1976	May 11, 1976	.90	24
1977	Apr. 25, 1977	.10	1
1978	Mar. 31, 1978	.53	8

12302400 Shaughnessy Creek near Libby, MT

Location.--Lat $48^{\circ}18'11''$, long $115^{\circ}35'37''$, Hydrologic Unit 17010101, in W1/2 sec.5, T.29 N., R.31 W., Lincoln County, at culvert on county road, 6.5 mi (10.5 km) southwest of Libby.

Drainage area.--1.16 mi² (3.00 km²).

Records available.--July 1959 to current year.

Gage.--Crest-stage gage installed July 2, 1959. Altitude of gage is 2,820 ft (860 m), from topographic map.

12302400 Shaughnessy Creek near Libby, MT--Continued

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1959	--	0.4	16
1960	--	(e)	a 4
1961	Mar. 30, 1961	.73	33
1962	May 16, 1962	.67	29
1963	Apr. 4, 1963	.09	6
1964	April 1964	.39	a 16
1965	April 1965	.97	48
1966	May 4, 1966	.35	14
1967	May 22, 1967	.03	6
1968	May 22, 1968	.28	12
1969	Apr. 24, 1969	.41	16
1970	June 27, 1970	.21	9
1971	May 5, 1971	.31	13
1972	May 14, 1972	.16	8
1973	June 14, 1973	.05	6
1974	Jan. 15, 1974	--	a 200
1975	May 13, 1975	2.64	11
1976	Dec. 5, 1976	--	a 15
1977	Apr. 25, 1977	1.40	1
1978	May 18, 1978	1.42	2

12303400 Ross Creek near Troy, MT

Location.--Lat 48°12'26", long 115°52'08", Hydrologic Unit 17010101, in SE1/4 NE1/4 sec.8, T.28 N., R.33 W., Lincoln County, at bridge on Forest Service road, 11.3 mi (18 km) north of Heron, 17.5 mi (28 km) south of Troy.

Drainage area.--23.8 mi² (61.6 km²).

Records available.--1972, August 1973 to current year. Discharge and gage height at undetermined date prior to installation of gage.

Gage.--Crest-stage gage installed Aug. 9, 1973. Altitude of gage is 2,420 ft (738 mi), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1972	--	7.5	3,200
1973	--	5.05	1,450
1974	Jan. 15, 1974	4.70	1,240
1975	May 14, 1975	3.70	700
1976	Dec. 5, 1976	4.61	1,180
1977	May 3, 1977	3.27	505
1978	June 7, 1978	3.72	640

12303440 Camp Creek near Troy, MT

Location.--Lat $48^{\circ}18'46''$, long $115^{\circ}50'35''$, Hydrologic Unit 17010101, in SW1/4 SE1/4 sec.32, T.30 N., R.33 W., Lincoln County, at bridge on Forest Service road, 0.8 mi (1.3 km) east of Highway 202, 12.6 mi (20.3 km) south of Troy.

Drainage area.-- 11.3 mi^2 (29.3 km^2).

Records available.--1972, August 1973 to current year.

Gage.--Crest-stage gage installed Aug. 9, 1973. Altitude of gage is 2,440 ft (744 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1972	--	3.87	980
1973	--	1.79	295
1974	June 14, 1974	1.92	335
1975	June 2, 1975	1.64	190
1976	May 11, 1976	1.64	190
1977	May 3, 1977	1.29	115
1978	June 5, 1978	1.58	175

12304060 Blacktail Creek near Yaak, MT

Location.--Lat $48^{\circ}57'03''$, long $115^{\circ}32'27''$, Hydrologic Unit 17010103, in SW1/4 SW1/4 sec.20, T.37 N., R.30 W., Lincoln County, at bridge on Forest Service road, 200 ft (61 m) upstream from mouth, 10.3 mi (16.6 km) northeast of Yaak.

Drainage area.-- 8.66 mi^2 (22.4 km^2).

Records available.--1964, 1972, August 1973 to current year.

Gage.--Crest-stage gage installed Aug. 8, 1973. Altitude of gage is 3,430 ft (1,040 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1964	--	2.72	280
1972	--	1.76	126
1973	--	1.01	35
1974	May 9, 1974	1.29	84
1975	June 2, 1975	1.05	55
1976	May 11, 1976	1.42	112
1977	Apr. 25, 1977	.52	17
1978	May 15, 1978	1.11	65

12304120 Zulu Creek near Yaak, MT

Location.--Lat $48^{\circ}43'49''$, long $115^{\circ}38'30''$, Hydrologic Unit 17010103, in NW1/4 NW1/4 sec.8, T.34 N., R.31 W., Lincoln County, at culvert on South Fork Yaak River road, 8.5 mi (13.7 km) south of Yaak.

Drainage area.-- 5.27 mi^2 (13.6 km^2).

Records available.--1972, August 1973 to current year.

Gage.--Crest-stage gage installed Aug. 8, 1973. Altitude of gage is 3,680 ft (1,120 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1972	--	2.56	190
1973	--	1.12	32
1974	May 9, 1974	1.30	47
1975	May 14, 1975	1.09	32
1976	May 11, 1976	1.38	67
1977	Apr. 25, 1977	.88	15
1978	May 15, 1978	1.29	46

12304300 Cyclone Creek near Yaak, MT

Location.--Lat $48^{\circ}45'01''$, long $115^{\circ}54'06''$, Hydrologic Unit 17010103, in SE1/4 sec.32, T.35 N., R.33 W., Lincoln County, at bridge 0.2 mi (0.3 km) upstream from mouth, 10.5 mi (16.9 km) southwest of Yaak.

Drainage area.-- 5.71 mi^2 (14.8 km^2).

Records available.--July 1960 to current year.

Gage.--Crest-stage gage installed July 15, 1960. Altitude of gage is 2,790 ft (850 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1960	--	2.06	220
1961	May 26, 1961	1.78	172
1962	May 21, 1962	1.26	97
1963	Apr. 4, 1963	1.58	133
1964	May 22, 1964	1.94	150
1965	Apr. 27, 1965	1.38	73
1966	May 4, 1966	1.56	130
1967	May 22, 1967	1.75	168
1968	May 22, 1968	1.42	118
1969	May 31, 1969	1.45	125
1970	May 1970	.95	92
1971	May 5, 1971	1.25	138
1972	May 18, 1972	1.29	155
1973	May 13, 1973	1.03	110
1974	Jan. 15, 1974	b 3.68	a 350
1975	June 2, 1975	1.51	135
1976	May 11, 1976	1.63	165
1977	May 2, 1977	.71	68
1978	May 15, 1978	.94	103

12323300 Smith Gulch near Silver Bow, MT

Location.--Lat $45^{\circ}57'26''$, long $112^{\circ}39'45''$, Hydrologic Unit 17010201, in N1/2 sec.1, T.2 N., R.9 W., Silver Bow County, at culvert on Interstate Highway 15 and U.S. Highway 91, 4 mi (6.4 km) south of Silverbow.

Drainage area.-- 4.36 mi^2 (11.3 km^2).

Records available.--May 1959 to current year.

Gage.--Crest-stage gage installed May 11, 1959. Altitude of gage is 5,510 ft (1,680 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1959	--	--	a 5
1960	Mar. 21, 1960	1.97	43
1961	Sept. 11, 1961	2.41	67
1962	Apr. 14, 1962	1.70	32
1963	Feb. 4, 1963	4.91	80
1964	Mar. 30, 1964	3.04	10
1965	Dec. 23, 1965	5.75	123
1966	Mar. 30, 1966	3.04	9
1967	May 8, 1967	3.28	19
1968	Feb. 21, 1968	2.77	2
1969	June 9, 1969	4.31	56
1970	June 12, 1970	3.34	19
1971	Feb. 12, 1971	3.30	18
1972	Mar. 17, 1972	3.12	12
1973	Apr. 22, 1973	3.11	11
1974	Jan. 15, 1974	3.73	33
1975	June 9, 1975	4.54	62
1976	Mar. 17, 1976	b 4.78	23
1977	Apr. 7, 1977	2.97	5
1978	Apr. 1, 1978	3.30	17

12324250 Cottonwood Creek at Deer Lodge, MT

Location.--Lat $46^{\circ}23'59''$, long $112^{\circ}43'02''$, Hydrologic Unit 17010201, in NE1/4 SW1/4 sec.33, T.8 N., R.9 W., Powell County, at culvert on county road and U.S. Highway 10 in Deer Lodge,

Drainage area.-- 45.4 mi^2 (118 km^2).

Records available.--September 1975 to current year.

Gage.--Crest-stage gage installed Sept. 30, 1975. Altitude of gage is 4,675 ft (1,425 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1975	d June 19, 1975	4.10	497
1976	May 15, 1976	3.00	240
1977	Apr. 7, 1977	(e)	5
1978	June 7, 1978	3.53	430

12324700 Clark Fork tributary near Drummond, MT

Location.--Lat 46°36'58", long 113°02'08", Hydrologic Unit 17010201, in SW1/4 sec.18, T.10 N., R.11 W., Powell County, 0.5 mi (0.8 km) upstream from Interstate Highway 90 and U.S. Highway 10, 6.5 mi (10.5 km) east of Drummond.

Drainage area.--4.61 mi² (11.9 km²).

Records available.--June 1959 to current year.

Gage.--Crest-stage gage installed June 17, 1959. Altitude of gage is 4,080 ft (1,240 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft ³ /s)
1958	dJune 9, 1958	1.64	133
1959	--	--	(c)
1960	Mar. 18, 1960	1.62	84
1961	Apr. 3, 1961	.70	20
1962	Apr. 4, 1962	.62	18
1963	Feb. 4, 1963	1.44	56
1964	Mar. 31, 1964	.98	21
1965	Feb. 5, 1965	1.53	64
1966	Mar. 9, 1966	2.00	125
1967	Mar. 18, 1967	.55	15
1968	Feb. 20, 1968	1.45	66
1969	Mar. 31, 1969	1.53	75
1970	Feb. 16, 1970	1.27	54
1971	Feb. 14, 1971	1.99	124
1972	Feb. 29, 1972	.11	2
1973	Mar. 1, 1973	.66	17
1974	Jan. 15, 1974	1.11	41
1975	June 19, 1975	.85	26
1976	Dec. 2, 1975	1.86	108
1977	Mar. 12, 1977	.66	19
1978	Mar. 19, 1978	1.54	72

12331700 Edwards Gulch at Drummond, MT

Location.--Lat 46°40'25", long 113°08'31", Hydrologic Unit 17010201, in SW1/4 sec.29, T.11 N., R.12 W., Granite County, at culvert on private road, 0.4 mi (0.6 km) north of Interstate Highway 90 and U.S. Highway 10 at Drummond.

Drainage area.--4.69 mi² (12.1 km²).

Records available--June 1959 to September 1962, June 1974 to current year.

Gage.--Crest-stage gage installed June 17, 1959. Altitude of gage is 4,000 ft (1,220 m), from topographic map.

12331700 Edwards Gulch at Drummond, MT--Continued

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1960	Mar. 21, 1960	b 1.14	Unknown
1961	Apr. 3, 1961	.14	2
1962	Apr. 14, 1962	.55	8
1974	June 20, 1974	(d)	318
1975	Aug. 20, 1975	1.57	17
1976	Jan. 19, 1976	b 1.95	8
1977	Mar. 14, 1977	(e)	1
1978	July 5, 1978	b 1.96	a 5

12338600 Monture Creek at Forest Service boundary, near Ovando, MT

Location.--Lat $47^{\circ}05'37''$, long $113^{\circ}09'10''$, Hydrologic Unit 17010203, in SW1/4 SW1/4 sec.32, T.16 N., R.12 W., Powell County, on left bank 800 ft (240 m) upstream from Forest Service boundary, 5.2 mi (8.4 km) north of Ovando.

Drainage area.--105 mi² (272 km²).

Records available.--June 1964, August 1973 to current year.

Gage.--Crest-stage gage installed Aug. 7, 1973. Altitude of gage is 4,060 ft (1,240 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1964	June 1964	4.71	2,400
1974	June 18, 1974	3.63	1,500
1975	June 7, 1975	3.20	1,200
1976	June 22, 1976	3.35	1,300
1977	May 3, 1977	(e)	300
1978	June 8, 1978	--	1,580

12339300 Deer Creek near Seeley Lake, MT

Location.--Lat $47^{\circ}12'37''$, long $113^{\circ}32'27''$, Hydrologic Unit 17010203, in SE1/4 SW1/4 sec.20, T.17 N., R.15 W., Missoula County, at bridge on county road, 2.3 mi (3.7 km) northwest of bridge over Clearwater River, 3.5 mi (5.6 km) northwest of Seeley Lake.

Drainage area.--19.8 mi² (51.3 km²).

Records available.--October 1974 to current year.

Gage.--Crest-stage gage installed Oct. 29, 1974. Altitude of gage is 4,030 ft (1,228 m), from topographic map.

Annual maximum data.--

<u>Water year</u>	<u>Date</u>	<u>Gage height (ft)</u>	<u>Discharge (ft³/s)</u>
1974	--	3.07	390
1975	May 16, 1975	3.15	425
1976	May 5, 1976	3.04	340
1977	Apr. 26, 1977	2.12	180
1978	Apr. 2, 1978	2.31	215

12339900 West Twin Creek near Bonner, MT

Location.--Lat $46^{\circ}54'44''$, long $113^{\circ}42'50''$, Hydrologic Unit 17010203, in SW1/4 sec.2, T.13 N., R.17 W., Missoula County, at bridge on State Highway 200, 8 mi (12.9 km) east of Bonner.

Drainage area.-- 7.33 mi^2 (19.0 km^2).

Records available.--June 1959 to current year.

Gage.--Crest-stage gage installed June 17, 1959. Altitude of gage is 3,410 ft (1,040 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1959	June 1959	0.7	98
1960	Apr. 6, 1960	.63	82
1961	May 27, 1961	.91	128
1962	Apr. 19, 1962	.92	92
1963	May 29, 1963	.63	63
1964	June 8, 1964	b 1.10	a 150
1965	Apr. 14, 1965	1.33	a 120
1966	May 28, 1966	.45	42
1967	May 22, 1967	1.48	200
1968	May 22, 1968	.91	80
1969	Apr. 24, 1969	1.05	120
1970	May 20, 1970	.97	112
1971	May 11, 1971	1.25	156
1972	May 14, 1972	1.04	130
1973	May 14, 1973	.64	42
1974	Jan. 15, 1974	b 2.55	a 300
1975	June 7, 1975	.89	90
1976	June 11, 1976	1.15	114
1977	Apr. 28, 1977	.75	22
1978	Mar. 31, 1978	.90	42

12342950 Trapper Creek near Conner, MT

Location.--Lat $45^{\circ}53'43''$, long $114^{\circ}10'51''$, Hydrologic Unit 17010205, in SE1/4 SE1/4 sec.27, T.2 N., R.21 W., Ravalli County, at bridge on State Highway 473, 0.6 mi (1.0 km) southwest of Trapper Creek Job Corps Center, 3.0 mi (4.8 km) southwest of junction of State Highway 473 and turnoff to Conner, 4.5 mi (7.2 km) southwest of Conner.

Drainage area.-- 28.5 mi^2 (73.8 km^2).

Records available.--October 1974 to current year.

Gage.--Crest-stage gage installed Oct. 30, 1974. Altitude of gage is 4,150 ft (1,265 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1974	--	4.37	Not determined
1975	June 12, 1975	2.02	460
1976	May 11, 1976	1.97	440
1977	June 7, 1977	1.70	340
1978	June 8, 1978	2.05	470

12344300 Burke Gulch near Darby, MT

Location.--Lat 46°01'28", long 114°08'45", Hydrologic Unit 17010205, in S1/2 sec.12, T.3 N., R.21 W., Ravalli County, 1 mi (1.6 km) upstream from mouth, 1.5 mi (2.4 km) east of Darby.

Drainage area.--6.28 mi² (16.3 km²).

Records available.--April 1958 to current year.

Gage.--Staff gage installed Apr. 16 1958. Crest-stage gage installed July 21, 1959. Altitude of gage is 4,100 ft (1,250 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft ³ /s)
1958	May 12, 1958	0.94	11
1959	May 16, 1959	--	a 5
1960	Apr. 7, 1960	.85	8
1961	May 27, 1961	.40	2
1962	May 1962	(e)	a 4
1963	February 1963	1.08	13
1964	Apr. 21, 1964	.95	11
1965	Apr. 22, 1965	.95	7
1966	June 1966	.59	3
1967	May 22, 1967	.84	8
1968	May 22, 1968	.80	8
1969	Apr. 24, 1969	.84	8
1970	May 17, 1970	.94	10
1971	May 5, 1971	1.66	25
1972	May 14, 1972	1.29	12
1973	May 17, 1973	.50	3
1974	May 26, 1974	1.32	13
1975	May 15, 1974	1.38	19
1976	May 14, 1976	2.20	24
1977	May 25, 1977	1.21	5
1978	May 22, 1978	1.28	8

12345850 Sleeping Child Creek near Hamilton, MT

Location.--Lat $46^{\circ}07'58''$, long $114^{\circ}03'26''$, Hydrologic Unit 17010205, in SE1/4 SW1/4 NW1/4 sec.2, T.4 N., R.20 W., Ravalli County, Bitterroot National Forest on right bank 5.8 mi (9.3 km) upstream from mouth and 10.8 mi (17.4 km) southeast of Hamilton.

Drainage area.-- 62.6 mi^2 (162 km^2).

Records available.--1972, May 1973 to current year.

Gage.--Crest-stage gage installed May 20, 1973. Altitude of gage is 4,090 ft (1,247 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1972	June 1972	6.25	^a 1,500
1973	May 20, 1973	3.54	305
1974	June 14, 1974	4.90	800
1975	June 6, 1975	4.85	775
1976	May 14, 1976	4.95	825
1977	May 25, 1977	2.90	145
1978	June 8, 1978	4.13	482

12353250 Ninemile Creek near Alberton, MT

Location.--Lat $47^{\circ}11'09''$, long $114^{\circ}35'13''$, Hydrologic Unit 17010204, in SE1/4 SE1/4 sec.36, T.17 N., R.24 W., Missoula County, on left bank about 400 ft (122 m) above a large right bank diversion ditch, 0.3 mi (0.5 km) west of main road, corner of fence line and tree with T.17 N., R.23 W. sign on it, 0.5 mi (0.8 km) south of Little Blue Creek, 14.2 mi (22.8 km) northwest of Alberton.

Drainage area.-- 50.2 mi^2 (130 km^2).

Records available.--1972, August 1973 to current year.

Gage.--Crest-stage gage installed Aug. 15, 1973. Altitude of gage is 3,570 ft (1,090 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1972	--	4.36	1,280
1974	Jan. 16, 1974	3.07	780
1975	May 16, 1975	2.07	435
1976	May 11, 1976	2.21	480
1977	May 4, 1977	.83	100
1978	Mar. 31, 1978	1.73	345

12353800 Thompson Creek near Superior, MT

Location.--Lat $47^{\circ}11'55''$, long $114^{\circ}55'00''$, Hydrologic Unit 17010204, in SW1/4 sec.28, T.17 N., R.26 W., Mineral County, 1.2 mi (1.9 km) west of Superior.

Drainage area.-- 11.8 mi^2 (30.6 km^2).

Records available.--May 1961 to current year.

Gage.--Crest-stage gage installed May 15, 1961. Altitude of gage is 2,710 ft (826 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1961	May 26, 1961	0.53	a 55
1962	Apr. 24, 1962	.82	85
1963	Apr. 14, 1963	.15	20
1964	May 21, 1964	.53	79
1965	Apr. 14, 1965	3.0	190
1966	May 4, 1966	.09	54
1967	May 22, 1967	.57	80
1968	May 22, 1968	-.84	24
1969	May 1, 1969	-.04	56
1970	May 20, 1970	-.20	61
1971	May 13, 1971	1.07	109
1972	May 14, 1972	1.68	153
1973	May 17, 1973	-1.38	4
1974	Jan. 16, 1974	3.52	230
1975	May 14, 1975	.84	50
1976	May 11, 1976	1.15	100
1977	--	--	(c)
1978	Apr. 1, 1978	.14	68

12355350 Big Creek at Big Creek ranger station, near Columbia Falls, MT

Location.--Lat $48^{\circ}36'07''$, long $114^{\circ}09'55''$, Hydrologic Unit 17010206, in SW1/4 SW1/4 sec.22, T.33 N., R.20 W., Flathead County, Flathead National Forest, on right bank, at Big Creek ranger station, 300 ft (91.4 km) upstream from North Fork road bridge, 0.4 mi (0.6 km) upstream from mouth, 16.0 mi (25.7 km) north of Columbia Falls.

Drainage area.-- 82.1 mi^2 (213 km^2).

Records available.--June 1964, April 1973 to current year.

Gage.--Crest-stage gage installed Apr. 11, 1973. Altitude of gage is 3,330.58 ft (1,015.16 m), from U.S. Forest Service bench mark.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1964	June 1964	6.60	2,130
1973	June 1973	4.69	930
1974	June 21, 1974	5.76	1,600
1975	June 20, 1975	4.57	1,150
1976	May 11, 1976	5.00	1,450
1977	May 11, 1977	4.17	875
1978	June 6, 1978	4.78	1,300

12356500 Bear Creek near Essex, MT

Location.--Lat $48^{\circ}16'56''$, long $113^{\circ}25'23''$, Hydrologic Unit 17010207, in SE1/4 NW1/4 NE1/4 sec.16, T.29 N., R.14 W., Flathead County, on left bank 1.1 mi (1.77 km) upstream from U.S. Highway 2 bridge crossing Bear Creek, 8.5 mi (13.7 km) northeast of Essex.

Drainage area.-- 20.4 mi^2 (52.8 km^2).

Records available.--January 1946 to September 1952 (continuous record), 1964, September 1975 to current year.

Gage.--Crest-stage gage installed Sept. 11, 1975. January 1946 to September 30, 1952, nonrecording gage or water-stage recorder at site 0.5 mi (0.8 km) upstream. Altitude of gage is 4,485 ft (1,367 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1946	May 28, 1946	1.94	253
1947	May 2, 1947	2.87	623
1948	May 22, 1948	3.01	696
1949	May 12, 1949	2.05	280
1950	June 12, 1950	2.86	620
1951	May 11, 1951	2.19	352
1952	Apr. 27, 1952	2.15	340
1964	June 8, 1964	7.2	8,380
1975	d June 19, 1975	--	1,840
1976	May 10, 1976	5.10	520
1977	May 11, 1977	3.51	160
1978	June 5, 1978	4.12	325

12369250 Holland Creek near Condon, MT

Location.--Lat $47^{\circ}26'20''$, long $113^{\circ}40'11''$, Hydrologic Unit 17010211, in NE1/4 NW1/4 sec.5, T.19 N., R.16 W., Missoula County, on bridge on State Highway 209, at junction with road to Holland Lake, 6.8 mi (10.9 km) south of Condon.

Drainage area.-- 22.3 mi^2 (57.8 km^2).

Records available.--October 1974 to current year.

Gage.--Crest-stage gage installed Oct. 29, 1974. Altitude of gage is 3,950 ft (1,204 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1974	--	2.73	385
1975	June 13, 1975	2.30	280
1976	May 11, 1976	2.02	230
1977	May 3, 1977	1.44	130
1978	June 9, 1978	2.22	265

12370500 Dayton Creek near Proctor, MT

Location.-- Lat $47^{\circ}54'59''$, long $114^{\circ}20'14''$, Hydrologic Unit 17010208, in NW1/4 sec.20, T.25 N., R.21 W., Lake County, at culvert on county road, 2.5 mi (4.0 km) northwest of Proctor.

Drainage area.-- 18.5 mi^2 (47.9 km^2).

Records available.--June 1959 to current year.

Gage.--Crest-stage gage installed June 18, 1959. Altitude of gage is 3,350 ft (1,020 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1959	--	1.3	37
1960	May 12, 1960	1.74	51
1961	May 27, 1961	3.00	93
1962	Apr. 24, 1962	1.54	45
1963	Apr. 13, 1963	.28	7
1964	June 8, 1964	1.06	29
1965	Apr. 15, 1965	5.09	131
1966	Mar. 29, 1966	1.03	28
1967	May 22, 1967	2.16	60
1968	May 14, 1968	.88	22
1969	Apr. 24, 1969	2.07	48
1970	May 21, 1970	2.21	49
1971	May 13, 1971	1.53	40
1972	May 14, 1972	2.53	70
1973	Apr. 5, 1973	.75	20
1974	Jan. 16, 1974	3.17	98
1975	May 20, 1975	1.26	36
1976	Apr. 6, 1976	1.24	35
1977	Apr. 24, 1977	-.14	a 4
1978	Mar. 31, 1978	3.21	102

12389150 McGregor Creek tributary near Marion, MT

Location.--Lat $48^{\circ}01'44''$, long $114^{\circ}55'54''$, Hydrologic Unit 17010213, in NW1/4 NE1/4 sec.10, T.26 N., R.26 W., Flathead County, on right bank 250 ft (76 m) upstream from Forest Service road, 0.4 mi (0.6 km) upstream from mouth, 13.4 mi (21.7 km) southwest of Marion.

Drainage area.-- 2.55 mi^2 (6.60 km^2).

Records available.--1972, August 1973 to current year.

Gage.--Crest-stage gage installed Aug. 10, 1973. Altitude of gage is 3,850 ft (1,170 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1972	--	2.60	80
1973	--	.92	13
1974	June 12, 1974	1.07	17
1975	June 24, 1975	.83	11
1976	May 11, 1976	(e)	a 12
1977	Apr. 26, 1977	(e)	a 1
1978	Mar. 31, 1978	(e)	a 6

12391100 White Pine Creek near Trout Creek, MT

Location.--Lat $47^{\circ}44'19''$, long $115^{\circ}40'27''$, Hydrologic Unit 17010213, in SW1/4 SW1/4 NW1/4 sec.23, T.23 N., R.32 W., Sanders County, Kaniksu National Forest, on right downstream wingwall of bridge, 7.5 mi (12.1 km) southwest of Trout Creek.

Drainage area.-- 8.75 mi^2 (22.7 km^2).

Records available.--November 1974 to current year.

Gage.--Crest-stage gage installed Nov. 13, 1974. Altitude of gage is 3,360 ft (1,020 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1974	--	4.70	295
1975	June 14, 1975	4.25	215
1976	Dec. 4, 1975	4.80	310
1977	Apr. 26, 1977	3.73	100
1978	June 7, 1978	3.67	128

12391200 Canyon Creek near Trout Creek, MT

Location.--Lat $47^{\circ}51'16''$, long $115^{\circ}29'57''$, Hydrologic Unit 17010213, in SW1/4 NW1/4 sec.7, T.24 N., R.30 W., Sanders County, at bridge on U.S. Forest Service road, 2.9 mi (4.7 km) upstream from junction of road at mouth of Vermillion River, 4.6 mi (7.4 km) northeast of Trout Creek.

Drainage area.-- 8.64 mi^2 (22.4 km^2).

Records available.--1972, August 1973 to current year.

Gage.--Crest-stage gage installed Aug. 15, 1973. Altitude of gage is 2,520 ft (768 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1972	--	2.64	230
1974	May 9, 1974	2.70	250
1975	June 2, 1975	2.30	215
1976	May 11, 1976	2.53	200
1977	Apr. 26, 1977	1.86	70
1978	Apr. 1, 1978	2.28	140

12391430 Skeleton Creek near Noxon, MT

Location.--Lat $47^{\circ}57'47''$, long $115^{\circ}53'18''$, Hydrologic Unit 17010213, in SW1/4 SW1/4 sec.32, T.26 N., R.33 W., Sanders County, at culvert on U.S. Forest Service road, 0.4 mi (0.6 km) upstream from West Fork Pilgrim Creek, 5.7 mi (9.2 km) southwest of Noxon.

Drainage area.-- 2.10 mi^2 (5.44 km^2).

Records available.--August 1973 to current year.

Gage.--Crest-stage gage installed Aug. 9, 1973. Altitude of gage is 3,050 ft (930 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1973	--	0.93	14
1974	Jan. 17, 1974	1.94	46
1975	May 14, 1975	1.60	34
1976	May 11, 1976	1.75	39
1977	Apr. 26, 1977	(e)	^a 12
1978	May 16, 1978	1.49	23

12391525 Snake Creek near Noxon, MT

Location.--Lat $48^{\circ}07'24''$, long $115^{\circ}45'10''$, Hydrologic Unit 17010213, in SW1/4 SW1/4 sec.5, T.27 N., R.32 W., Sanders County, at culvert on U.S. Forest Service road, 9.0 mi (14.5 km) north of Noxon.

Drainage area.-- 3.11 mi^2 (8.05 km^2).

Records available.--1972, August 1973 to current year.

Gage.--Crest-stage gage installed Aug. 9, 1973. Altitude of gage is 2,510 ft (765 m), from topographic map.

Annual maximum data.--

Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1972	--	3.87	126
1973	--	1.09	13
1974	Jan. 17, 1974	3.63	114
1975	May 14, 1975	2.27	53
1976	Dec. 4, 1975	2.41	52
1977	Apr. 26, 1977	1.36	12
1978	May 15, 1978	1.70	24

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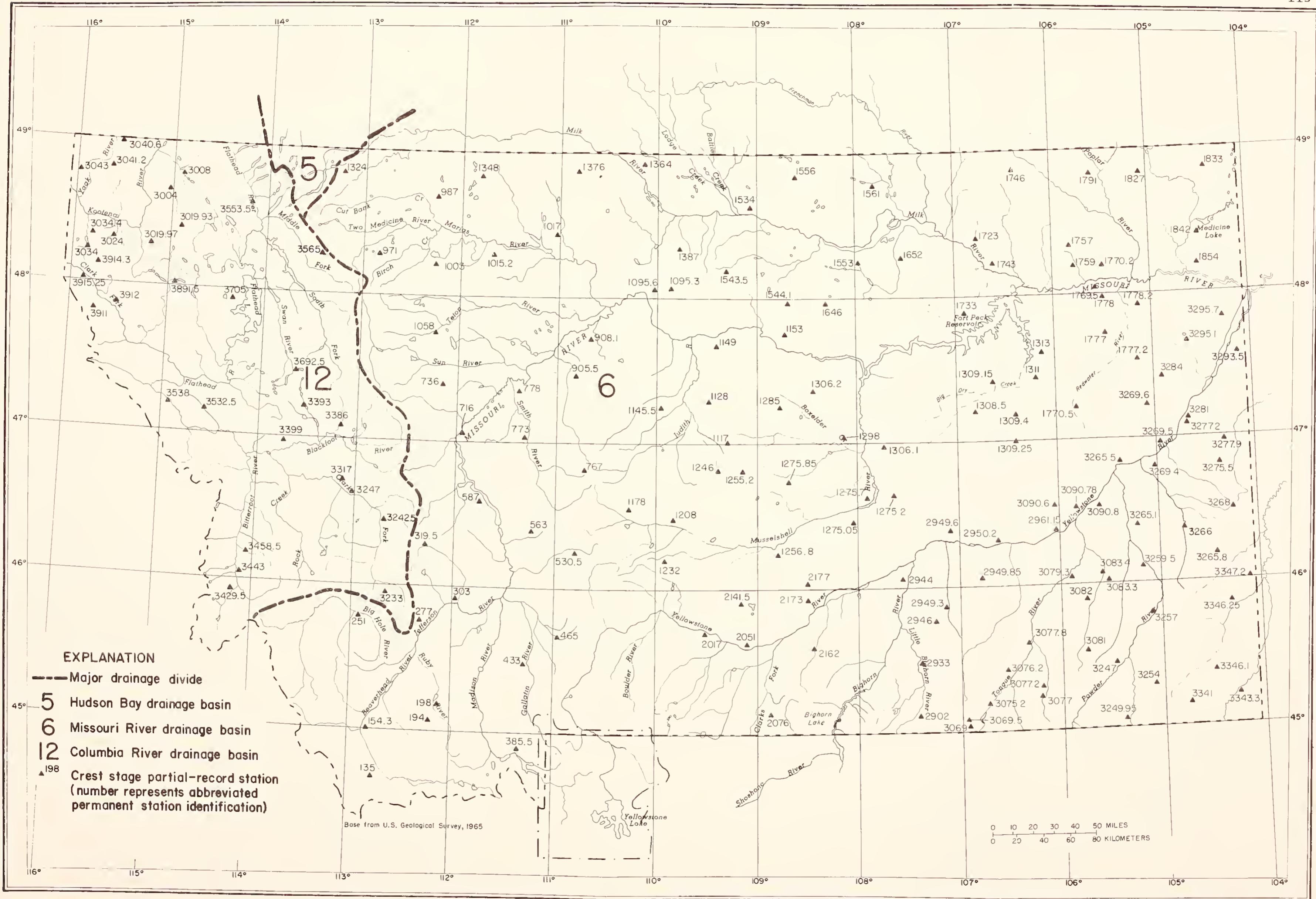


Figure 1.--Locations of active crest-stage gage stations.



Figure 2.--Hydrologic unit map.

